

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 6/7/2018 8:13:43 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: Pebble technical team assignments

Hi Patty,

As discussed yesterday, here are initial assignments for the Pebble technical teams. We can update the wetlands ones if needed following our discussion on Tuesday, before sending to the Corps. Also please edit if I mixed up any of the POCs for the teams, or missed someone somewhere.

- 3.1 Intro – Molly Vaughan
- 3.5 Recreation – Mark Douglas (POC), Palmer Hough
- 3.11 Aesthetics – Mark Douglas (POC), Palmer Hough
- 3.14 Soils – Mark Douglas (POC), Palmer Hough
- 3.16 Surface Water Hydrology – Tim Maley (POC), Mark Douglas, Palmer Hough, Muluken Muche
- 3.17 Groundwater Hydrology – Tim Maley (POC), Mark Douglas, Palmer Hough, Muluken Muche
- 3.18 Water and Sediment Quality – Cindi Godsey (POC), Tim Maley, Chris Eckley
- 3.22 Wetlands/ Special Aquatic Sites – Mark Douglas (POC), Palmer Hough
- 3.26 Vegetation – Mark Douglas (POC), Palmer Hough

Contact Information for technical team members:

Mark Douglas, Douglas.mark@epa.gov, 907-271-1217

Chris Eckley, Eckley.chris@epa.gov, 206-553-0510

Cindi Godsey, Godsey.cindi@epa.gov, 206-553-1676

Palmer Hough, Hough.palmer@epa.gov, 202-566-1374

Tim Maley, Maley.timothy@epa.gov, 206-553-1210

Muluken Muche, Muche.muluken@epa.gov, 706-355-8321

Molly Vaughan, Vaughan.molly@epa.gov, 907-271-1215

~~~~~  
Molly Vaughan

U.S. Environmental Protection Agency Region 10

Alaska Operations Office

222 W. 7<sup>th</sup> Avenue #19

Anchorage, AK 99513-7588

907-271-1215

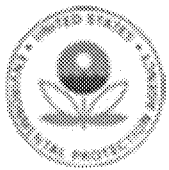
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

Message

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 4/3/2018 9:31:09 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: BB Funds - \$80,410

Hmm. I thought it was open when I proposed it. Darf.

Yes, if you and Patty get together and add info. to the draft memo that is great and all we need. You could update the memo with what you all think is appropriate and just let me know. Good enough. I'll keep the meeting because it gives a chance to meet with David Allnutt prior to submitting something to Michael Szerlog. It is more of a deadline than a need to all discuss. I would like to send the memo to Michael by the end of the day on the 5th.



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140
(206) 553-6382

From: Vaughan, Molly
Sent: Tuesday, April 03, 2018 2:26 PM
To: Peterson, Erik <Peterson.Erik@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: BB Funds - \$80,410

Hi Erik – It appears that the meeting time Patty set to discuss this with ORD (1-2 pm Pacific on Thursday) conflicts with our rescheduled R10 meeting. Sorry that this meeting has been such a pain to schedule. Is a full-group meeting necessary at this point, or could just Patty and I get back to you after we talk to ORD? I hate to make you reschedule the whole thing again!

--Molly

-----Original Appointment-----

From: Peterson, Erik
Sent: Tuesday, March 27, 2018 10:54 AM
To: Peterson, Erik; McGrath, Patricia; Vaughan, Molly; **Conference Line/Code / Ex.**
Cc: Allnutt, David; Hough, Palmer; Palomaki, Ashley; Bennett, Brittany
Subject: BB Funds - \$80,410
When: Thursday, April 05, 2018 1:00 PM-1:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-20Cedar/R10-Rooms-Service-Center

Peterson, Erik has shared a OneDrive for Business file with you. To view it, click the link below.

 Bristol Bay - 2018 Funding Needs(1).docx

Conference Line/Code
/ Ex. 6

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Agenda

Discuss draft plan for Szerlog's BB funds

Next steps – final general plan to Szerlog by April 6th.

Notes from 11/26 BB funds meeting and from 11/27 Peterson and Szerlog meeting

Deliberative Process / Ex. 5

- Michael would like a final memo with basic recommendations on how the region will use the funds by **COB April 6th**

Message

From: Curtis, Jennifer [Curtis.Jennifer@epa.gov]
Sent: 6/13/2018 3:28:31 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: Field Logistics

Hi Patty,

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

-----Original Message-----

From: McGrath, Patricia
Sent: Wednesday, June 13, 2018 7:25 AM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Reif, Kathy B. <reif.kathy@epa.gov>
Subject: RE: Field Logistics

Thanks Ashley and Garth for your quick response.
Patty

-----Original Message-----

From: Palomaki, Ashley
Sent: Wednesday, June 13, 2018 7:41 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Reif, Kathy B. <reif.kathy@epa.gov>
Subject: RE: Field Logistics

Hi Patty -

Attorney Client / Ex. 5

Thanks,

Ashley

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

-----Original Message-----

From: Palomaki, Ashley
Sent: Wednesday, June 13, 2018 7:11 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Reif, Kathy B. <reif.kathy@epa.gov>
Subject: RE: Field Logistics

Hi Patty -

Attorney Client Privilege/Deliberative Process Privilege / Ex. 5

Thanks,

Ashley

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

-----Original Message-----

From: McGrath, Patricia
Sent: Tuesday, June 12, 2018 1:28 PM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>
Subject: FW: Field Logistics
Importance: High

Hi Ashley and Garth -

I traded voice messages with Ashley about this issue, but realized that I neglected to forward you this email string.
We are planning two trips to the Pebble project site this summer.
The first is a wetlands delineation field verification trip with the Corps on July 9 - 11. Mark Douglas would participate in that trip.
The second, yet to be scheduled, is a project overview site visit (1 day on-site) attend by four EPA folks from our NEPA team. Both of these visits will involve helicopter time from Iliamna to and around the Pebble site. Mark's visit will involve overnights in Iliamna.

Attorney Client / Ex. 5

Please let me know as soon as possible if you have any concerns or would like to discuss.

Thanks -
Patty

-----Original Message-----

From: Smith, Marla J.
Sent: Thursday, June 7, 2018 1:18 PM
To: Douglas, Mark <douglas.mark@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>
Subject: RE: Field Logistics
Importance: High

Hi Mark,

Attorney Client / Ex. 5

Thanks,
Marla

-----Original Message-----

From: Douglas, Mark
Sent: Thursday, June 07, 2018 12:12 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Smith, Marla J. <Smith.MarlaJ@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>
Subject: FW: Field Logistics

The form Pebble wants me to sign and get back.

Mark Douglas
Aquatic Resources Unit
Office of Environmental Review & Assessment

U.S. Environmental Protection Agency
Alaska Operations Office
222 W. 7th Avenue, Box 19
Anchorage, AK 99513-7588
Phone (907) 271-1217

-----Original Message-----

From: Tim Havey [mailto:timhavey@pebblepartnership.com]
Sent: Thursday, June 07, 2018 12:06 PM
To: Douglas, Mark <douglas.mark@epa.gov>
Subject: FW: Field Logistics

Mark:

Please review the attached and send back to me. Basically I need your cell phone number and for you to add any food or dietary requirements. Below is the email I sent to Estrella yesterday with some additional info. Call if you have any questions.

Regards,

Tim Havey
Director-Environment and Permitting

3201 C Street, Suite 505
Anchorage, AK 99515
D: 907.339.2626 C: 907.230.5056

-----Original Message-----

From: Tim Havey
Sent: Wednesday, June 6, 2018 10:20 AM
To: 'Campellone, Estrella F CIV USARMY CEPOA (US)' <Estrella.F.Campellone@usace.army.mil>
Cc: McCoy, Shane M CIV USARMY CEPOA (US) <Shane.M.Mccoy@usace.army.mil>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>
Subject: RE: Field Logistics

Estrella:

I have attached the site services request form that our operations staff need to finalize your arrangements. I went ahead and filled out most. Please review and add your phone number (cell phone preferably) and whether anyone has any food allergies or special needs. You can send the completed form back to me and I will submit it to site. I have requested individual rooms for each of you.

Meals are cafeteria style. For your arrival day, it will be easiest if you can bring your lunch with you. For the remaining days you will make a bag lunch at breakfast to bring with you to the field.

We will provide in-town transportation to/from the airport each day in one of our vehicles. Work days are 12 hours, with 10 in the field and one hour on either end for muster, briefings, etc. Crews normally do not return to base during the work day unless weather limits flight operations. Low clouds and/or high winds are typically the only conditions that will restrict helicopter travel.

No firearms are permitted at any Pebble facility or in helicopters. Trained bear guards will be provided with each crew. Guards are in constant radio contact with site operations. Alcohol is prohibited at any Pebble facility.

Safety training and site orientation will take place as soon as you arrive. That should take about an hour, followed by a 20-minute helicopter safety briefing. We provide basic PPE (safety goggles, high visibility vest, hearing protection). You are welcome to bring your own as long as the operations manager approves. Field gear requirements are what you would normally bring.

Accommodations are 150/person/day. We will invoice you after your trip. Our site staff does not have the ability to accept payments. Helicopter time will likewise be invoiced to you based on the per seat cost and number of flight hours logged. Cost may vary depending on which helicopter is available.

Please let me know if you have any other questions.

Thanks,
Tim

-----Original Message-----

From: Campellone, Estrella F CIV USARMY CEPOA (US) [mailto:Estrella.F.Campellone@usace.army.mil]
Sent: Wednesday, June 6, 2018 7:31 AM
To: Tim Havey <timhavey@pebblepartnership.com>
Cc: McCoy, Shane M CIV USARMY CEPOA (US) <Shane.M.Mccoy@usace.army.mil>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>
Subject: Field Logistics

Hi Tim,

I think I left a voice mail and I am wondering if you received it.

In any case, please let me review with you our itinerary:
Arrival time @ Iliamna: July 9 (Monday) at 0900.
Departure time: July 11 @ 4:30 p.m.

Corps will disburse your company directly for hotel/helicopter costs.
Hotel:
Check in July 9th
Check out July 11th

Meals:

July 9th (lunch brown bag - Diner)

July 10th (all meals)

July 11th (breakfast & lunch).

Helicopter: as per time-usage logs (coordination field work with HDR at this point).

Truck Rental: We will take your offer of picking us up at the airport on Monday July 9th.

You mentioned we will have safety training upon arrival on July 9th before heading to the field. Please let us know if there is anything else we need to be aware of.

Thank you very much for your help,

Estrella

-----Original Message-----

From: McCoy, Shane M CIV USARMY CEPOA (US)

Sent: Monday, June 4, 2018 10:51 AM

To: Campellone, Estrella F CIV USARMY CEPOA (US) <Estrella.F.Campellone@usace.army.mil>

Cc: Tim Havey <timhavey@pebblepartnership.com>

Subject: contact info

Estrella,

Here is Tim's email.

Shane

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 6/13/2018 3:28:15 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: Pebble site visit

The week of Aug 20th works well. Week of July 30th would also work if the site visit is Monday or Tuesday,

Personal Matters

Personal Matters / Ex. 6

From: McGrath, Patricia
Sent: Wednesday, June 13, 2018 7:24 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: FW: Pebble site visit

Do either of these weeks work for you?

From: Eckley, Chris
Sent: Wednesday, June 13, 2018 8:17 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Re: Pebble site visit

July 30th is my first choice....Aug 20th is my second choice.

Thanks,

Chris

Chris S. Eckley, Ph.D.
Environmental Scientist; Mining Geochemist
U.S. EPA—Region 10; Office of Environmental Assessment
1200 6th Ave., Suite 900, OEA-095, Seattle, WA 98101
Office: 206-553-0510; Fax: (206) 553-0119
eckley.chris@epa.gov

From: McGrath, Patricia
Sent: Tuesday, June 12, 2018 5:03 PM
To: Eckley, Chris; Maley, Timothy; Vaughan, Molly; Nogi, Jill
Subject: Pebble site visit

Hi all-

The purpose of this email is to begin planning our overview visit to the Pebble project site to support our NEPA review.

The visit will entail flying from Anchorage to Ilimana and then taking a helicopter flight from Ilimana to the Pebble site. From the Pebble site we would travel by helicopter to view locations of various mine site facilities. We would return to Ilimana and Anchorage on the same day. Travelers from Seattle should plan on arriving in Anchorage the day before the site visit and leaving Anchorage either on the red eye or, better, the day after the site visit - so, this would entail three travel days.

We will attempt to coordinate with other agencies, but depends on the timing.

Please let me know if you have conflicts during the following dates. Since this trip will take 3-days (except for Molly), please provide me with 3-day choices. Please give me as many options as possible to work from since there will be exploration work at the site and we will need to work with PLP's schedule.

July 24 – 27

July 30 – Aug 3

Aug 13 – 18

Aug 20 – 24

Please send me your responses ASAP and let me know if you have questions.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Bennett, Brittany [bennett.brittany@epa.gov]
Sent: 6/6/2018 8:12:56 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
CC: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Tribes training on NEPA and mining

Thank you!

Brittany K. Bennett
Ecologist
U.S. EPA, Office of Water
ph: 202.564.1896
Bennett.Brittany@epa.gov

From: McGrath, Patricia
Sent: Wednesday, June 06, 2018 4:10 PM
To: Bennett, Brittany <bennett.brittany@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: Tribes training on NEPA and mining

Hi Brittany-

Here is the link to the three parts of the NEPA & mining 101 webinar that I mentioned. Folks can view the archived presentations.

https://clu-in.org/conf/tio/NEPAandMining101-1_051216/

https://clu-in.org/conf/tio/NEPAandMining101-2_052416/

https://clu-in.org/conf/tio/NEPAandMining101-3_060816/

From: Bennett, Brittany
Sent: Wednesday, June 6, 2018 11:30 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: Tribes training on NEPA and mining

Sounds good.

Brittany K. Bennett
Ecologist
U.S. EPA, Office of Water
ph: 202.564.1896
Bennett.Brittany@epa.gov

From: McGrath, Patricia
Sent: Wednesday, June 06, 2018 3:27 PM
To: Bennett, Brittany <bennett.brittany@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Re: Tribes training on NEPA and mining

Hi Brittany

I will give you a call about this.

Patty

Sent from my iPhone

On Jun 6, 2018, at 8:37 AM, Bennett, Brittany <bennett.brittany@epa.gov> wrote:

Hey Patty (Molly cc'd),

I presented a few talking points on the Pebble Project to the National Tribal Water Council earlier today. I received two questions that I was unable to answer:

1. Were the tribes invited to be cooperating agencies? If so, did any of them accept?
2. Will there be training made available to tribes in Bristol Bay (or Alaska generally) on NEPA and mining, either by Corps or EPA? This was requested by multiple people at the meeting re: Pebble. Apparently R5 does this sort of training when big projects pop up to help potentially affected tribes understand the process and potential impacts better. They have upcoming meetings (annual tribal forum and Statewide environmental forum) where this training could be provided, but also would accept a webinar if it is impossible to schedule an in-person training.

Thanks!

B

Brittany K. Bennett
Ecologist
U.S. EPA, Office of Water
ph: 202.564.1896
Bennett.Brittany@epa.gov

Message

From: Maley, Timothy [maley.timothy@epa.gov]
Sent: 6/22/2018 7:45:27 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
Subject: RE: Pebble site visit

Christine Kelly

Tim Maley, PG
EPA-R10/OERA
O: 206-553-1210

From: McGrath, Patricia
Sent: Friday, June 22, 2018 12:42 PM
To: Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Subject: FW: Pebble site visit

Hi Tim and Chris-

Who is your analyst that processes TAs for you? I want to make sure that we are coordinated so that we stay in the same hotel in Anchorage.

Thanks - Patty

From: McGrath, Patricia
Sent: Thursday, June 21, 2018 12:54 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) <Vaughan.Molly@epa.gov>; Timothy Maley (maley.timothy@epa.gov) <maley.timothy@epa.gov>; Chris Eckley (Eckley.Chris@epa.gov) <Eckley.Chris@epa.gov>
Cc: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Tami Fordham (Fordham.Tami@epa.gov) <Fordham.Tami@epa.gov>
Subject: Pebble site visit

Molly, Tim, and Chris –

Our Pebble site visit is confirmed for July 31. Please submit your TAs ASAP. ARE funding is available for this trip but needs to be obligated.

Following is information for the TAs.

Seattle travelers –

7/30 – fly to Anchorage and stay overnight

All travelers –

7/31:

8 am flight from Anchorage to Iliamna via Iliamna Air Taxi (arrive Iliamna at 9 am)

9:00 – 3:30 – Pebble site visit (mine site, road, ports) - this will entail helicopter time. The cost estimate for the helicopter portion is \$1200 per person (note PLP will invoice us for the exact amount)

4:30 – flight from Iliamna back to Anchorage (should arrive in Anchorage at 5:30)

Seattle travelers - you can return to Seattle on 7/31 as there are late flights leaving Anchorage – or overnight and leave Anchorage on 8/1. I will likely leave the morning of 8/1.

Please let Molly and I know if you have questions.

I am also ccing Marla who has been helpful with previous travel to Pebble.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Maley, Timothy [maley.timothy@epa.gov]
Sent: 6/13/2018 2:44:56 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: Pebble site visit

Any of those dates works for me, except if considering the Aug 20-24 slot,

Personal Email / Ex. 6

Personal Matters / Ex. 6

tm

Tim Maley, PG
EPA-R10/OERA
O: 206-553-1210

From: McGrath, Patricia
Sent: Tuesday, June 12, 2018 5:03 PM
To: Eckley, Chris <Eckley.Chris@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: Pebble site visit

Hi all-

The purpose of this email is to begin planning our overview visit to the Pebble project site to support our NEPA review. The visit will entail flying from Anchorage to Ilimana and then taking a helicopter flight from Ilimana to the Pebble site. From the Pebble site we would travel by helicopter to view locations of various mine site facilities. We would return to Ilimana and Anchorage on the same day. Travelers from Seattle should plan on arriving in Anchorage the day before the site visit and leaving Anchorage either on the red eye or, better, the day after the site visit - so, this would entail three travel days.

We will attempt to coordinate with other agencies, but depends on the timing.

Please let me know if you have conflicts during the following dates. Since this trip will take 3-days (except for Molly), please provide me with 3-day choices. Please give me as many options as possible to work from since there will be exploration work at the site and we will need to work with PLP's schedule.

July 24 – 27
July 30 – Aug 3
Aug 13 – 18
Aug 20 – 24

Please send me your responses ASAP and let me know if you have questions.

Thanks - Patty

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 7/26/2018 7:57:27 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: Review of Pebble 4.1, 4.5, 4.11

Hi Patty,

I have reviewed Sections 4.1 Intro, 4.5 Recreation, and 4.11 Aesthetics – I was the only reviewer assigned to those sections. I do not have any comments to provide to the Corps at this preliminary stage in document development. If you also decide to take a look at those sections and have any comments, please let me know.

Summary status of other sections: you should have received a link to my OneDrive to begin your review of Section 4.22 Wetlands. I will send you 4.14 Soils, 4.16 Surface Water, 4.17 Hydrogeology, 4.18 Water Quality, and 4.26 Vegetation once Mark is able to complete his review (likely either 8/1

Personal Matters / Ex. 6

Thanks,
Molly

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

Message

From: Ebersole, Joe [Ebersole.Joe@epa.gov]
Sent: 6/6/2018 12:45:07 AM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: resume
Attachments: J Ebersole DM Vita.docx

Here you go, attached. A little out of date but just a few recent papers missing.

Joseph L. Ebersole, PhD | 1.541.754.4775 | ebersole.joe@epa.gov | [EPA staff profile](#)
US Environmental Protection Agency | 200 SW 35th St, Corvallis, OR 97333

From: McGrath, Patricia
Sent: Tuesday, June 05, 2018 5:14 PM
To: Ebersole, Joe <Ebersole.Joe@epa.gov>
Subject: resume

Hi Joe-

I am participating in an agency meeting tomorrow for Pebble and will be discussing our technical leads with other agencies. Could you please send me a copy of your resume if it is easy to do?

If not, no worries.

Thanks -Patty

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Joseph L. Ebersole

US Environmental Protection Agency
Western Ecology Division
(541) 754-4775
Email: Ebersole.joe@epa.gov

Education

PhD, Oregon State University, 2002.

Major: Fisheries Science

Dissertation Title: Heterogeneous Thermal Habitat for Northeast Oregon Stream Fishes

MS, Oregon State University, 1994.

Major: Fisheries Science

Thesis Title: Classification and Restoration of Stream Habitats in the Blue Mountains, Northeast Oregon

BS, Oregon State University, 1990.

Major: Fisheries Science

History of Professional Experience

Research Fisheries Biologist

U.S. Environmental Protection Agency Western Ecology Division, Corvallis, OR

June 2005 - present

Post-Doctoral Fishery Biologist

U.S. Environmental Protection Agency Western Ecology Division, Corvallis, OR November 2001 –

June 2005

Graduate Research Assistant

Oregon State University, Dept. of Fisheries and Wildlife

Sept. 1996 – Nov. 2001

Visiting Investigator

Flathead Lake Biological Station, University of Montana, Polson, MT

July-Sept 1996:

Professional Memberships

American Fisheries Society (1989-present)

American Geophysical Union (2015-present)

Awards and Honors

EPA Gold Medal for Exceptional Service 2015 – EPA's highest honor, awarded *In recognition of the Bristol Bay Assessment Team for its extraordinary efforts to conduct and complete the agency's Bristol Bay Assessment*

EPA Bronze Medal Award 2010 - *For establishing how the configuration of stream habitats in stream networks including intermittent streams impact the productivity and survivability of coho salmon in coastal watersheds*

EPA STAA Award 2010 Honorable Mention - *Innovative Research Quantifying the Effects of Multi-Level Factors on Fish Populations Across Entire Watersheds*

EPA STAA Level II Award 2010 - *Developing a Novel Procedure for Stable Isotope Analysis for Rapid Determination of Diet Switching of Fish*

EPA STAA Level III Award 2008 – *Innovative research on the value of seasonal habitats and intermittent streams to coho salmon populations*

EPA STAA Level II Award 2007 – *Outstanding research quantifying the influence of intermittent streams on the biological integrity of navigable waters*

NHEERL Community Service Award 2007 - *In recognition of extraordinary commitment to educate public school and university students in the area of aquatic ecology of streams and rivers.*

Environmental Protection Agency Science Forum Poster Award 2004– 3rd Prize

Environmental Protection Agency “S” (Special Accomplishment Recognition) Award 2003

Oregon Chapter American Fisheries Society Graduate Scholarship Award 2001

Oregon State University Graduate Student Association Presentation Award 2000

Pennsylvania Scholars in Education Award 1985

Izaak Walton League Certificate of Merit 1985

Lewis and Clark Club Award 1985

Bausch and Lomb Science Medal 1985

International Science Fair Finalist 1985

TEACHING

Teaching Experience

Oregon State University

FW 488/489 Problem Solving in Fisheries and Wildlife, 2 courses

FW 441, Introduction to Group Problem Solving, 4 courses

FW 442, Problem Definition and Analysis, 4 courses

FW 443, Problem Analysis and Resolution; 4 courses

FW 323, Management Principles of Salmon in the Northwest, 2 courses

FW 454/554, Fishery Biology, 1 course

FW 255, Wildlife Techniques, 1 course

FW 321, Fisheries and Wildlife Resource Ecology, 1 course

ENSC 399, Special Topic – Finding Your Place in the Watershed, 1 course

Directed Student Learning (current)

Advisor. (January 2016 - Present).

Advised: Sabrina Pearson

Co-Advisor. (June 20, 2016)

Advised: Dalton Hance

Co-Advisor. (September 23, 2010)

Advised: Rebecca R. Miller

RESEARCH

Published Intellectual Contributions

Book Chapters

- Frissell, C.A., W.J. Liss, R.E. Gresswell, R.K. Nawa and J.L. Ebersole. 1997. Resource in crisis: New measures for salmon management. In D.J. Stouder, P.A. Bisson, and R.J. Naiman (eds.) Pacific salmon and their ecosystems: status and future options. Chapman and Hall, New York.
- Burnett, K. M., C. E. Torgersen, E. A. Steel, D. P. Larsen, J. L. Ebersole, R. E. Gresswell, P. W. Lawson, D. J. Miller, J. D. Rodgers, and D. L. Stevens. 2009. Data and modeling tools for assessing landscape-level influences on salmonid populations: examples from western Oregon. Pages 873–900 In: Pacific Salmon: Ecology and Management of Western Alaska's Populations. American Fisheries Society, Bethesda, MD.
- Torgersen, C. E., C. V. Baxter, J. L. Ebersole, and R. E. Gresswell. 2012. Incorporating Spatial Context into the Analysis of Salmonid–Habitat Relations. Pages 216–224 in P. B. M. Church, and A. Roy, editor. Gravel-Bed Rivers. John Wiley & Sons, Ltd.

Refereed Journal Articles

- Ebersole, J.L., W.J. Liss, and C.A. Frissell. 1997. Restoration of stream habitats in the western United States: Restoration as re-expression of habitat capacity. *Environmental Management* 21:1-14.
- Ebersole, J.L., W.J. Liss, and C.A. Frissell. 2001. Relationship between stream temperature, thermal refugia, and rainbow trout (*Oncorhynchus mykiss*) abundance in arid-land streams, northwestern United States. *Ecology of Freshwater Fish* 10(1):1-11.
- Ebersole, J. L. and E. K. Ryce, 2001. Becoming an effective fisheries teaching assistant. *Fisheries* 26: 38-39.
- Ebersole, J.L., W.J. Liss, and C.A. Frissell, 2003. Coldwater patches in warm streams: physiochemical characteristics and the influence of shading. *Journal of the American Water Resources Association* 39(2):355-368.
- Ebersole, J.L., W.J. Liss, and C.A. Frissell. 2003. Thermal heterogeneity, stream channel morphology and salmonid abundance in northeast Oregon streams. *Canadian Journal of Fisheries and Aquatic Sciences* 60:1266-1280.
- Watanabe, M., Richard M. Adams, JunJie Wu, John P. Bolte, Matt M. Cox, Sherri L. Johnson, William J. Liss, William G. Boggess, and J. L. Ebersole. 2005. Toward Efficient Riparian Restoration: Integration Economic, Physical, and Biological Models. *Journal of Environmental Management* 75(2):93-104.
- Cairns, M.A., J.L. Ebersole, J.P. Baker, H.R. Lavigne, S.M. Davis, and P.J. Wigington. 2005. Influence of summer stream temperatures on black spot infestation of juvenile coho salmon in the Oregon coast range. *Transactions of the American Fisheries Society* 134:1471–1479.
- Ebersole, J.L., P.J. Wigington, J.P. Baker, M.A. Cairns, M.R. Church, .E. Compton, S.G. Leibowitz, B. Miller, and B. Hansen. 2006. Juvenile coho salmon growth and survival across stream

network seasonal habitats. *Transactions of the American Fisheries Society* 135:1681–1697.

- Wigington, P. J., Jr., J.L. Ebersole, M.E. Colvin, B. Miller, B. Hansen, H. Lavigne, D. White, J.P. Baker, M.R. Church, S.G. Leibowitz, J.R. Brooks, M.A. Cairns, and J.E. Compton. 2006. Coho salmon dependence on intermittent streams. *Frontiers in Ecology and the Environment* 4(10):514-519.
- Roni, P., D. Van Slyke, B. A. Miller, J. L. Ebersole, and G. R. Pess. 2008. Adult coho salmon and steelhead use of boulder weirs in Southwest Oregon streams. *North American Journal of Fisheries Management* 28:970-978.
- Rodnick, K. J., S. St-Hilaire, P. K. Battiprolu, S. M. Seiler, M. L. Kent, M. S. Powell, and J. L. Ebersole. 2008. Evidence for sex and or habitat differences in swimming performance, parasite infestation, tissue biochemistry, and morphology of juvenile coho salmon in Oregon's West Fork Smith River. *Transactions of the American Fisheries Society* 137(6):1571-1590.
- McCullough, D. A., J. M. Bartholow, H. I. Jager, R. L. Beschta, E. F. Cheslak, M. L. Deas, J. L. Ebersole, J. S. Foott, S. L. Johnson, K. R. Marine, M. G. Mesa, J. H. Petersen, Y. Souchon, K. F. Tiffan, and W. A. Wurtsbaugh. 2009. Research in Thermal Biology: Burning Questions for Coldwater Stream Fishes. *Reviews in Fisheries Science* 17(1):90 - 115.
- Church, M. R., J. L. Ebersole, K. M. Rensmeyer, R. B. Couture, F. T. Barrows, and D. L. G. Noakes. 2009. Mucus: a new tissue fraction for rapid determination of fish diet switching using stable isotope analysis. *Can. J. Fish. Aquat. Sci* 66:1-5.
- Ebersole, J. L., M. E. Colvin, P. J. Wigington, S. G. Leibowitz, J. P. Baker, M. R. Church, J. E. Compton, B. A. Miller, M. A. Cairns, B. P. Hansen, and H. R. LaVigne. 2009. Modeling stream network-scale variation in coho salmon overwinter survival and smolt size. *Transactions of the American Fisheries Society* 138:564-580.
- Ebersole, J. L., and coauthors. 2009. Hierarchical modeling of late-summer weight and summer abundance of juvenile coho salmon across a stream network. *Transactions of the American Fisheries Society* 138:1138-1156.
- Leibowitz, S. G., P. J. Wigington Jr, R. L. Comeleo, and J. L. Ebersole. 2011. A temperature-precipitation-based model of thirty-year mean snowpack accumulation and melt in Oregon, USA. *Hydrological Processes* 26:741-759.
- Rashleigh, B., C. Barber, J. L. Ebersole, G. Boxall, D. White, and A. Brookes. 2012. Forecasting fish communities in river networks. *Korean Journal of Limnology* 45(2):150-157.
- Wigington, P. J., S. G. Leibowitz, R. L. Comeleo, and J. L. Ebersole. 2013. Oregon hydrologic landscapes: a classification framework. *Journal of the American Water Resources Association* 49(1):163-182.
- Fritz, Ken M., Elisabeth Hagenbuch, Ellen D'Amico, Molly Reif, Parker J. Wigington, Jr., Scott G. Leibowitz, Randy L. Comeleo, Joseph L. Ebersole, and Tracie-Lynn Nadeau, 2013. Comparing the Extent and Permanence of Headwater Streams from Two Field Surveys to Values from Hydrographic Databases and Maps. *Journal of the American Water Resources Association (JAWRA)* 49(4): 867-882. DOI: 10.1111/jawr.12040
- Leibowitz, S.G., R. L. Comeleo, P. J. Wigington, Jr., C. P. Weaver, P. E. Morefield, E. A. Sproles, and J. L. Ebersole. 2014. Hydrologic landscape classification assesses streamflow

vulnerability to climate change in Oregon, USA. *Hydrology and Earth Systems Science* 18:1-26.

Ebersole, J.L., P.J. Wigington, Jr., S. G. Leibowitz, R. Comeleo, and J. V. Sickie. 2015. Predicting the Occurrence of Cold Water Patches at Intermittent and Ephemeral Tributary Confluences of Warm Rivers. *Journal of Freshwater Science* 34:111-124.

Fullerton, A. H., C. E. Torgersen, J. J. Lawler, R. N. Faux, E. A. Steel, T. J. Beechie, J. L. Ebersole, and S. G. Leibowitz. 2015. Rethinking the longitudinal stream temperature paradigm: region-wide comparison of thermal infrared imagery reveals unexpected complexity of river temperatures. *Hydrological Processes*. DOI: 10.1002/hyp.10506

Nadeau, Tracie-Lynn, Scott G. Leibowitz, Parker J. Wigington, Jr., Joseph L. Ebersole, Ken M. Fritz, Robert A. Coulombe, Randy L. Comeleo, and Karen A. Blocksom. 2015. Validation of Rapid Assessment Methods to Determine Streamflow Duration Classes in the Pacific Northwest. *Environmental Management*.

Hance, D. J., L. M. Ganio, K. M. Burnett, and J. L. Ebersole. 2016. Basin-scale variation in the spatial pattern of fall movement of juvenile coho salmon in the West Fork Smith River, Oregon. *Transactions of the American Fisheries Society*. 145:1018-1034.

Morelli, T.L., C.I. Millar, S. Maher, K. Nydick, C. Daly, S. Dobrowski, D. Dulen, J. Ebersole, S. Jackson, J. Lundquist, W. Monahan, K. Redmond, S. Sawyer, S. Stock, and S. Beissinger. 2016. Managing Climate Change Refugia for Climate Adaptation. *PLOS ONE*.

Other

Frissell, C.A., J. L. Ebersole, W.J. Liss, B.J. Cavallo, G.C. Poole and J. A. Stanford. 1996. Potential effects of climate change on thermal complexity and biotic integrity of streams: seasonal intrusion of non-native fishes. *Environmental Protection Agency Final Report CR-822019-01-0*. Duluth, Minnesota.

Ebersole, J. L. and W. J. Liss, 2001. Thermal Refugia and Salmonid Life Histories in the Grande Ronde Basin of Northeast Oregon. *Oregon Department of Fish and Wildlife Project Completion Report*. La Grande, OR. 201 pp.

Wigington, P.J., Jr., J. L. Ebersole, J. P. Baker, M. R. Church, J. E. Compton, S. G. Leibowitz, D. White and M. A. Cairns, 2002. Landscape and Watershed Influences on Wild Salmon and Fish Assemblages in Oregon Coastal Streams. *EPA NHEERL Western Ecology Division, Research Plan EPA/600/R-03/081*, Corvallis, OR.

Dunne, T., G. Ruggerone, D. Goodman, K. Rose, W. Kimmerer, J. Ebersole. 2011. Scientific Assessment of Two Dam Removal Alternatives on Coho Salmon and Steelhead. *Expert*

Panel Report to the U.S. Secretary of the Interior. January 8, 2011. Available at:
<http://www.pbsj.com/KlamathRiver/Pages/default.aspx>

Torgersen, C. E., J. L. Ebersole, and D. M. Keenan. 2012. Primer for identifying cold-water refuges to protect and restore thermal diversity in riverine landscapes. Environmental Protection Agency EPA 910-C-12-001, Seattle, WA.

USEPA. 2014. An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska. Region 10, Seattle, WA. EPA 910-R-14-001.

Ebersole, J.L. 2004. Love in the margin: finding refuge in the Blue Mountains. *In* The Back Road to Crazy: Stories from the Field. *Edited by* J. Bove. University of Utah Press, Logan, UT. pp. 97-103.

Presentations Given (Invited only)

Ebersole, J.L., P.J. Wigington, J.P. Baker, M.A. Cairns, M.R. Church, J.E. Compton, S.G. Leibowitz, D. White, H.A. LaVigne, B. Miller, and B. Hansen. 2003. A Spatially Integrated Watershed Approach Linking Salmonid Productivity to Freshwater Habitats. Presented at the Small Stream PIT Tag Symposium, Annual Meeting of the American Fisheries Society, Quebec City, Canada. August 10-14, 2003.

Ebersole, J.L., B. McComb, J.P. Baker, D. White, and S. Duncan. 2004. Research Needs for Effective Watershed Planning. Presented to the Watershed Planning Symposium, Annual Meeting of the North Pacific International Chapter of the American Fisheries Society. Stevenson, WA. November, 2004.

Ebersole, J.L., S.G. Leibowitz, D. White. 2005. Utility of Habitat Modeling for Pacific Salmon Conservation. Presented to the Symposium on Habitat Modeling: State of the Salmon – 2005. Anchorage, AK. April, 2005.

Ebersole, J. L., M. E. Colvin, P. J. Wigington, S. G. Leibowitz, J. P. Baker, M. R. Church, J. E. Compton, B. A. Miller, M. A. Cairns, B. P. Hansen, and H. R. LaVigne. 2006. Growth, Survival and Movement of Juvenile Salmonids as Indicators of Habitat Quality. Oral presentation to the International Symposium on the Ecology of Stream Fish – State of the Art and Future Prospects II. Leon, Spain June 11-16, 2006.

Ebersole, J.L., M.E. Colvin, P.J. Wigington Jr., S.G. Leibowitz, K. Burnett, and B. Hansen. 2008. Application of restoration scenarios to basin-scale demographics of coho salmon inferred from PIT-tags. Invited oral presentation to the International Symposium on Advances in Fish Tagging and Marking Technology. Auckland, New Zealand. February 2008.

Ebersole, J.L., M.E. Colvin, P.J. Wigington Jr., S.G. Leibowitz, K.M. Burnett, and J.C. Firman. 2009. Modeling patterns of coho salmon size and survival within a stream network. Invited oral presentation to the International Environmetrics Society, June 15, 2009, Corvallis, OR.

Ebersole, J.L. and W.J. Liss. 1994. A Context for Restoration. Conservation of Pacific Salmon: Issues and Questions for the Future. Oregon State University, April 27-28, 1994.

Ebersole, J.L. 1999. Thermal Diversity of the Upper Grande Ronde River: Implications for Salmonid Life History Diversity. Presented at Wallow Whitman National Forest Headquarters, La Grande, OR, September 14, 1999.

Ebersole, J.L. 2001. On Being a Salmon Biologist in the 21st Century. Pacific University, Forest Grove, OR, May 2001.

- Ebersole, J.L. 2002. Effectiveness of Thermal Refugia for Stream Salmonids. Presented to regional administrator and staff of National Marine Fisheries Service (NOAA Fisheries), Portland, OR, September 2002.
- Wigington, P.J. Jr., Ebersole, J.L., J.P. Baker, M.A. Cairns, H. A. Lavigne, J.E. Compton, R.M. Church, D. White, S.G. Leibowitz, B. Miller, B. Hansen. 2003. Influence of Stream Network-Scale Habitat of a Coastal Oregon Watershed on Coho Salmon and Other Native Fish. 2003 Headwater Stream Ecology Research Forum, Oregon State University, Corvallis, OR. January 16, 2003.
- Ebersole, J.L. 2003. Restoration of Stream Habitats in Eastern Oregon: Ecological Considerations. Presented to Governor's Independent Multidisciplinary Science Team, Corvallis, OR. May 13, 2003.
- Ebersole, J.L. 2003. Restoration Research in the West Fork Smith River Watershed, Coastal Oregon. Presented to Southwest Province Advisory Committee, Reedsport, OR. November 18, 2003.
- Ebersole, J.L. 2004. Putting Science Into Action: Fish-Habitat Relationships in Pacific Northwest Streams. Presented to the Oregon State University Dept. of Fisheries and Wildlife Seminar Series, Corvallis, OR. January 27, 2004.
- Ebersole, J.L., W.J. Liss, and C.A. Frissell. 2004. Factors Influencing Thermal Refuge Use by Redband Trout and Other Native Fishes. Presented to the Inland Native Trout Symposium, Western Division American Fisheries Society, Salt Lake City, UT. March 2, 2004.
- Ebersole, J.L. 2004. Landscape to Local Effects on Ecology of Oregon Stream Fishes. Presented to the Oregon State University Applied Fish Ecology Class FW 445/545. October 25, 2004.
- Ebersole, J.L. 2005. Implications of Climate Change for Streamflows and Anadromous Fish in the Columbia Basin. Respondent in dialogue hosted by Columbia Basin Water Transactions Program, Portland OR. January 28, 2005.
- Ebersole, J.L., S.G. Leibowitz, P.J. Wigington, J.P. Baker, M.A. Cairns, M.R. Church, J. Compton, B. Hansen, B. Miller. 2005. Implications of Fish Movement and Seasonal Habitat Dynamics to Restoration Planning and Prioritization. Presented to the Symposium on Stream and Watershed Restoration: Planning, Prioritizing, and Monitoring, Annual Meeting of the American Fisheries Society. Anchorage, AK. September, 2005.
- Ebersole, J.L., H. LaVigne, B. Miller, P.J. Wigington, Jr., M.R. Church, J.P. Baker, M.A. Cairns, S. Leibowitz, J.E. Compton and D.White. 2006. Winchester Creek Intensive Watershed Studies. Presentation to South Slough Estuarine Research Reserve Board of Commissioners. Charleston, OR. February 16, 2006.
- Ebersole, J.L., M.E. Colvin, P.J. Wigington Jr., S.G. Leibowitz, and K. Burnett. 2008. Assessing patterns of fish demographics and habitat in stream networks. Invited oral presentation to the Symposium on Advances in Modeling Populations and Habitat, Western Division American Fisheries Society Annual Meeting, Portland, OR, May 4-9, 2008.
- Torgersen, C. E., Ebersole, J. L., Keenan, D. M. 2008. Coldwater fishes and thermal refuges in hot water: Synthesis and future directions. Oral presentation. Symposium: Identifying protecting and restoring thermal refuges for coldwater fishes, Annual Meeting of the Western Division American Fisheries Society, May 6, 2008, Portland, OR.
- Ebersole, J.L. 2009. Assessing sensitivity of fish populations to climate change. Invited presentation to the Oregon Climate Change Research Institute, Corvallis, OR. June 24-25, 2009.

- Ebersole, J.L. 2009. Intensively monitored watersheds for coho salmon recovery. Invited presentation to the Oregon Coast Coho Salmon Recovery Team, Corvallis, OR. September 19, 2009.
- Ebersole, J.L. 2009. Appropriate scales for watershed evaluation and restoration? Invited presentation to EPA Office of Research and Development Watershed Management Working Group, Raleigh-Durham, NC. November 17, 2009.
- Leibowitz, S.G, P. J. Wigington, Jr., Randy Comeleo and Joseph L. Ebersole. 2010. Headwater effects on downstream waters: legal perspectives, science needs, and assessment approaches. Invited keynote presentation to Special Session on Stream Network Connections, Joint Annual Meeting of the North American Benthological Society and the American Society for Limnology and Oceanography, Santa Fe, NM. June 7, 2010
- Ebersole, J.L. 2010. Modeling the ecological significance of seasonal movement of stream fishes. Invited presentation to the Oregon Coastal Coho Salmon Modeling Workshop, Corvallis, OR. April 27, 2010.
- Ebersole, J.L. 2010. Invited presentation to Special Session on Stream Network Connections, Joint Annual Meeting of the North American Benthological Society and the American Society for Limnology and Oceanography, Santa Fe, NM. June 7, 2010
- Ebersole, J.L., G. Boxall, B. Rashleigh, D. White, A. Brookes, and J. Bolte. 2011. Mapping the unknown: modeling future scenarios of riverine fish communities. Invited Oral Presentation to the Symposium on Riverscape Ecology: Theory and Application for Understanding and Conserving Lotic Fishes. American Fisheries Society Annual Meeting, Seattle, WA. Sept. 4-8 2011.
- Ebersole, J.L., C.E. Torgersen, D.M. Keenan, A. Fullerton, and R. Labiosa. 2014. Identifying, protecting, and restoring (?) fine-scale thermal heterogeneity in streams. Invited Oral Presentation to the Joint Aquatic Sciences Meeting, Portland, OR. May 18-23, 2014.
- Morelli, T.L., S.R. Beissinger, S. Maher, C.I. Millar, C. Daly, S. Dobrowski, D. Dulen, J. Ebersole, S. Jackson, J. Lundquist, W. Monahan, K. Nydick, K. Redmond, S. Sawyer, and S. Stock. 2015. Climate Change Refugia as a Tool for Climate Adaptation. Oral Presentation to Science for Parks, Parks for Science Conference. Berkeley, CA. March 25-27, 2015.
- Ebersole, J.L. 2015. Climate Refugia for Salmon in a Changing World. Invited Oral Presentation to the Session "Climate Refugia in a Changing World: Climatic and Hydrologic Processes Informing Ecological Responses". American Geophysical Union Annual Meeting, December 14-18, 2015. San Francisco, CA.

SERVICE

University Service

Committee Member, Graduate Scholarship, Fisheries and Wildlife. (20 - 2015).

Committee Member, Communication and Outreach, Fisheries and Wildlife. (2016).

Professional Service

East-side Watershed Restoration Review Team, Pacific Rivers Council One of 5 invited scientists to participate in review of status of the science regarding restoration of critical habitats for native fish in interior Columbia River watersheds. (1999-2000)

Technical Peer Review Committee for Water Temperature Standard Development, Environmental Protection Agency Region 10. One of 15 invited scientists to participate in scientific review of documents and draft criteria during re-evaluation of stream temperature criteria in EPA Region 10. (2001-2004).

Technical Advisory Committee for Oregon Department of Environmental Quality Water Temperature Standard Development. One of 11 invited scientists to participate in review of Oregon proposed temperature standards to protect and sustain healthy populations of native salmon. (2001- 2004).

Salmon-Safe Peer Review Committee. Participated in review of Salmon-Safe guidelines for sustainable development and management of urban parks and natural areas in Portland Metro and Puget Sound regions. (2002-present).

Klamath River Dam Removal and Restoration Technical Review Team. One of six invited scientists to participate in USGS peer review of Klamath River dam-restoration and salmon recovery science. 2010-2011.

EPA Bristol Bay Assessment Technical Team. Fisheries Team Leader. Participant in joint EPA Office of Water, Region 10, and Office of Research and Development assessment team. 2011-2014.

Technical Team for EPA Proposed Determination of the US EPA Region 10 Pursuant to Section 404(c) to the Clean Water Act, Pebble Deposit Area, Southwest Alaska. 2014.

Technical Team, Cold Water Refugia Sufficiency Work Group, EPA Region 10. Assisting with 3-year effort to guide EPA, NOAA, state and tribal water temperature guidelines. Providing technical expertise and chapter lead for defining refuge "sufficiency". 2015-present.

Climate Refugia Research Coalition. Invited member of National Landscape Conservation Cooperative (NLCC) supported and Northwest Climate Science Center sponsored interagency workgroup to define and operationalize climate refugia for ecosystems and species in the Pacific Northwest and as a model for other regions. 2016-present.

IUCN Climate Refugia Forum Workgroup. (2016).

Message

From: Godsey, Cindi [Godsey.Cindi@epa.gov]
Sent: 6/22/2018 6:52:25 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
CC: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: REVIEW REQUEST and additional documents loaded to Sharepoint
Attachments: pre-draft 3-18.docx

Molly,

Attached are my comments on Section 3.18 with a single comment on the intro in 3.1. Take them or leave them.

Deliberative Process / Ex. 5

If you have questions, I should be around.

From: Vaughan, Molly
Sent: Thursday, June 07, 2018 12:13 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>; Muche, Muluken <Muche.Muluken@epa.gov>
Subject: REVIEW REQUEST and additional documents loaded to Sharepoint

Hello Team,

The Corps distributed some additional information to cooperating agencies related to yesterday's Cooperating Agency meeting here in Anchorage, and I have added these materials to the Sharepoint site, in the "Materials for 6-6-18 Cooperating Agency Meeting" folder. Most of the information is for awareness only, but our review has been requested on two items:

- 1) the Preliminary Scoping Report

Internal Website/ Ex. 6

- 2) selected sections of Pre-Draft Chapter 3

Internal Website/ Ex. 6

Your review is being requested on specific materials (listed below), but feel free to also review the remainder of the materials if you wish.

- Preliminary Scoping Report: **Molly/Patty** – comments due to Molly **June 20**
This document addresses scoping comments received to date, but will be updated following the close of the public scoping period.
- Pre-Draft Chapter 3 Sections – comments due to Molly **June 25** (specific section assignments below)
These documents are first drafts of each resource section Affected Environment, and will also be updated following the close of public scoping and based on cooperating agency input. It is not clear whether cooperators will have an opportunity to review a second iteration prior to publication of the Draft EIS, so a thorough review at this stage is critical.

The Corps has requested that our review focus on what is missing or any inaccuracies (don't worry about formatting, grammar, etc.). Where we identify something missing/innacurate, we are asked to be very specific in our recommendation. If you identify missing information in your review, first check the RFIs and Responses to Date

Internal Website/ Ex. 6

If there is a RFI/response that addresses your concern, then please note that in your comment. If not, then please include in your comment: (1) the information gap, (2) a reference where additional information can be found, and (3) what from that reference should be added, with as much specificity as possible – suggested text would be helpful.

Please identify the sub-section and page number for each of your comments.

Here are specific assignments for the review request. Most sections include a word document as well as some associated figures in pdf form.

- 3.1 Intro – **Molly**
- 3.5 Recreation – **Mark/Palmer/Molly**
- 3.11 Aesthetics – **Mark/Palmer/Molly**
- 3.14 Soils – **Mark/Palmer**
- 3.16 Surface Water Hydrology (note, we received figures but not text, and are following up) – **Tim/Mark/Palmer/Muluken**
- 3.17 Groundwater Hydrology – **Tim/Mark/Palmer/Muluken**
- 3.18 Water and Sediment Quality – **Cindi/Tim/Chris**
- 3.22 Wetlands/ Special Aquatic Sites – **Mark/Palmer**
- 3.26 Vegetation (note, we received figures but not text, and are following up) – **Mark/Palmer**

Please let me know if you have any questions. Thank you for your assistance with this review.

Regards,
Molly

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

From: Vaughan, Molly

Sent: Thursday, May 24, 2018 2:47 PM

To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Meade, Christopher <Meade.Chris@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>;

Douglas, Mark <douglas.mark@epa.gov>

Subject: RE: Pebble NEPA/permitting team - documents for awareness review

Hi All,

All of the materials received from the Corps to date are now on the Sharepoint site, in a folder labeled "Materials for 6-6-18 Cooperating Agency Meeting," for your perusal if interested.

Internal Website/ Ex. 6

Regards,
Molly

From: McGrath, Patricia

Sent: Friday, May 18, 2018 11:29 AM

To: Vaughan, Molly <Vaughan.Molly@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Meade, Christopher <Meade.Chris@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>

Subject: Pebble NEPA/permitting team - documents for awareness review

Pebble NEPA/permitting team –

The Corps has started sending us, and other cooperating agencies, information generated by PLP and the third-party EIS contractor (AECOM). This information includes AECOM's requests (to PLP) for additional information (RFAIs) and PLP's responses. The Corps has begun adding these RFAIs to the public EIS website. Molly and I will add this information to our SharePoint site as well.

The Corps has submitted this information to us and requested an awareness review, but is not requesting written comments.

For now, I want to bring your attention to two documents, attached:

1 – PLP Updates to the Proposed Project - PLP has made some updates to the project description. Please review this document so that you are aware of the changes. Some of these changes could impact parts of our scoping letter (**Deliberative Process / Ex. 5**)

2 – PLP Technical Note on Project Options and Screening Criteria – This document summarizes screening criteria and options used by PLP to develop its current project description. I expect the Corps will consider this information during alternatives development. Please review this document for awareness.

We will discuss these documents during our next team meeting on May 24, and I can provide more context. In the meantime, please let me know if you have questions.

Thanks-
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Wake, Neverley [wake.neverley@epa.gov]
Sent: 7/26/2018 6:11:18 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
CC: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Pebble permit oversight/NEPA team

Good morning, ladies.

Personal Matters / Ex. 6

will join as soon as I can. Molly, if you're available, I'll get with you after lunch to catch up on what I missed.

Neverley

(907) 271-3206

-----Original Appointment-----

From: McGrath, Patricia

Sent: Thursday, February 15, 2018 9:55 AM

To: McGrath, Patricia; Vaughan, Molly; LaCroix, Matthew; Meade, Christopher; Godsey, Cindi; Pepple, Karl; McAlpine, Jerrold; Palomaki, Ashley; Wake, Neverley; Hough, Palmer; Maley, Timothy; Eckley, Chris

Cc: Douglas, Mark; Schofield, Kate; Thiesing, Mary

Subject: Pebble permit oversight/NEPA team

When: Thursday, July 26, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda below, please feel free to suggest additional agenda topics

Agenda:

- Review of preliminary EIS sections – Molly
- Field verification site visit – Mark
- Upcoming agency meetings – Patty
- Schedule - Patty

Message

From: Maley, Timothy [maley.timothy@epa.gov]
Sent: 8/23/2018 2:52:30 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: Pebble permit oversight/NEPA team

Personal Matters / Ex. 6

Tim Maley, PG
EPA-R10/OERA
O: 206-553-1210

-----Original Appointment-----

From: McGrath, Patricia
Sent: Wednesday, August 22, 2018 4:31 PM
To: Maley, Timothy; Wake, Neverley; Vaughan, Molly; LaCroix, Matthew; Meade, Christopher; Godsey, Cindi; Pepple, Karl; McAlpine, Jerrold; Palomaki, Ashley; Hough, Palmer; Eckley, Chris
Cc: Douglas, Mark; Schofield, Kate; Thiesing, Mary
Subject: Pebble permit oversight/NEPA team
When: Thursday, August 23, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Agenda:

- 7/31 project site visit
- Status of review of EIS sections
- Summary of 8/22 cooperating agency meeting (alternatives discussion)
- Next steps and schedule

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 6/12/2018 11:17:18 PM
To: Kelly, Christine M [kelly.christinem@epa.gov]
CC: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: Bristol Bay Check-in

Christine,

Please make July 18th the last OERA Calendar occurrence of the Bristol Bay Check-in. In other words, cancel the OERA Calendar Bristol Bay Check-in starting August 1st.

I have sent new calendar invites for this recurring meeting starting July 31st.

Thank you!



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 6/12/2018 7:26:15 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: Pebble technical team assignments

Hi Patty – Based on our conversation just now, here is an edited version of the subject matter teams and points of

Deliberative Process / Ex. 5

Please let me know if there is anything else I can do to assist with this task.

Thanks,
Molly

- 3.1 Intro – Molly Vaughan
- 3.5 Recreation – Molly Vaughan
- 3.11 Aesthetics – Molly Vaughan
- 3.14 Soils – Mark Douglas (POC), Palmer Hough, Maryanne Thiesing
- 3.16 Surface Water Hydrology – Tim Maley (POC), Mark Douglas, Palmer Hough, Maryanne Thiesing, Muluken Muche
- 3.17 Groundwater Hydrology – Tim Maley (POC), Mark Douglas, Palmer Hough, Maryanne Thiesing, Muluken Muche
- 3.18 Water and Sediment Quality – Cindi Godsey (POC), Tim Maley, Chris Eckley
- 3.22 Wetlands/ Special Aquatic Sites – Mark Douglas (POC), Palmer Hough, Maryanne Thiesing
- 3.26 Vegetation – Mark Douglas (POC), Palmer Hough, Maryanne Thiesing

Contact Information for technical team members:

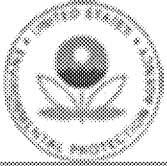
Mark Douglas, Douglas.mark@epa.gov, 907-271-1217
Chris Eckley, Eckley.chris@epa.gov, 206-553-0510
Cindi Godsey, Godsey.cindi@epa.gov, 206-553-1676
Palmer Hough, Hough.palmer@epa.gov, 202-566-1374
Tim Maley, Maley.timothy@epa.gov, 206-553-1210
Muluken Muche, Muche.muluken@epa.gov, 706-355-8321
MaryAnne Thiesing, Thiesing.mary@epa.gov, 206-553-6114
Molly Vaughan, Vaughan.molly@epa.gov, 907-271-1215

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

Message

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 4/6/2018 5:13:20 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: BB funds
Attachments: Bristol Bay - 2018 Funding Needs(1).docx



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

Message

From: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Sent: 7/16/2018 8:19:13 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Feedback Request - Draft Bristol Bay Check-in 7/18 Cancellation Message

That's fine with me. I don't have any updates that you aren't aware of.

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: Peterson, Erik
Sent: Monday, July 16, 2018 12:50 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Feedback Request - Draft Bristol Bay Check-in 7/18 Cancellation Message

Patty, Molly and Ashley,

Linda, Patty and I have discussed the possibility of canceling this Wednesday's, 7/18, Bristol Bay Check-in. We are planning to keep the 7/31 Bristol Bay Check-in with Linda A-C.

I'm writing to confirm with you all that it would be ok to cancel this week's Bristol Bay Check-in with Linda and also to get your feedback on a draft cancellation message. The cancellation message serves as a kind of update in place of a meeting. Please send or edit any updates you would like me to send in the cancellation message by COB today if possible.

Hello,

I'm writing to cancel the 7/18 Bristol Bay Check-in on behalf of the EPA Bristol Bay 404(c) Team and Permit Oversight/NEPA Review Team. See the updates below for awareness of our ongoing Bristol Bay related activities.

Updates

Linda Anderson-Carnahan is acting while David Allnutt is out until September 10th. We will continue Bristol Bay Check-ins with Linda during this time period. Our next scheduled check-in with Linda is for 30 minutes starting at 10 am PST on August 1st.

The 404(c) team is managing equity reviews and preparing non-equities documents for release for the Trustees for Alaska FOIA.

The Permit Oversight/NEPA Review team is reviewing preliminary EIS documents.

An EPA staff visit to the Pebble mine site is planned for 7/30 and 7/31.

A Pebble overview briefing for the new Alaska Operations Office Director is scheduled for July 23rd in Seattle.



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

Appointment

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 7/16/2018 7:56:25 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: Prepare for Pebble AOO Briefing
Location: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center
Start: 7/17/2018 8:00:00 PM
End: 7/17/2018 8:45:00 PM
Show Time As: Tentative

Proposing this meeting as an opportunity to talk through the presentation prior to the AOO Director Briefing. It would be useful for us to talk about how long we plan to take overall on the presentation and to discuss some of the transitions.

Message

From: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Sent: 5/29/2018 7:45:26 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)
Attachments: Project Forecast Report 25 May 2018_pm_ACP.docx

That worked! Here you go.

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Tuesday, May 29, 2018 12:27 PM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Try this one.

From: Palomaki, Ashley
Sent: Tuesday, May 29, 2018 12:25 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Patty – this link doesn't seem to be working for me.

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Tuesday, May 29, 2018 9:40 AM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Ashley –
Do you have time today to check my revisions to this project forecast report from OFA?
Please add your edits and I will forward on to Jill (and cc you).
Thanks –
Patty

From: Nogi, Jill
Sent: Tuesday, May 29, 2018 6:37 AM
To: Curtis, Jennifer <Curtis.Jennifer@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Jennifer and Patty –
More information related to HQ quick turnaround request for you. I wanted to have Candi clarify what needs to be on the report by 9am Pacific/8am AK time tomorrow to meet the deadline. I'm teleworking today so if you want to talk through the request this morning, please feel free to call my work cell at 206-316-0219. We will want to run the Pebble update through Ashley today too. Thanks so much for your help with this! If you are both able to send your edits/additional information to me before you leave the office today, I'll compile and send out to Candi tomorrow morning.

Hope you had a great weekend! Jill

From: Schaedle, Candi
Sent: Friday, May 25, 2018 11:15 AM
To: Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Rob did mention that he wanted Pebble listed since the AA is aware of this project.

Non-Responsive:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

From: Nogi, Jill
Sent: Friday, May 25, 2018 1:40 PM
To: Schaedle, Candi <Schaedle.Candi@epa.gov>
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi, a few more questions for you. Thank you! I want to make sure whether OFA/OP is mostly interested in the projects for which we anticipate the DEIS to be released (and is that in the next 2 weeks as stated at the top of the report?). The DEIS for Pebble is anticipated this fall on the report that you shared, so not in the next 2 weeks – should it be on here or on a later report?

Non-Responsive: Unrelated to Bristol Bay/Pebble

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for working with us on this! By the way, a lot of people aren't in today, so there's really only the one day next Tuesday to work on this and get it back to you. I think it will be super helpful to understand what makes the cut for being reported on this forecast report, and how often you will be asking the Regions to update it. Is it once a month, bi-monthly, more often – so that if we know things are happening later in the summer in some cases, would you want those reported now as well?

Jill

From: Schaedle, Candi

Sent: Friday, May 25, 2018 10:32 AM

To: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

I hope this helps!

From: Timmermann, Timothy

Sent: Friday, May 25, 2018 12:58 PM

To: Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for fielding all the questions.

tt

Timothy L. Timmermann, Associate Director
Office of Environmental Review
EPA New England-Region 1
5 Post Office Square, Suite 100
Mail Code OEP 06-3
Boston, MA 02109-3912

Email: timmermann.timothy@epa.gov
Telephone: 617-918-1025
E-Fax: 617-918-0025

From: Rudnick, Barbara
Sent: Friday, May 25, 2018 12:39 PM
To: Schaedle, Candi <Schaedle.Candi@epa.gov>
Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Candi,

Thanks for the clarification on the request. As with R9's request for extra folks to be included, R3 would appreciate if Jeff Lapp and I were on the contact list.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Sincerely,
Barbara

From: Schaedle, Candi
Sent: Friday, May 25, 2018 11:38 AM
To: Goforth, Kathleen <Goforth.Kathleen@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Great questions – I've provided responses that I hope help and provide clarity.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

I will include Connell and Nicole on future emails – thanks for forward the email to them!

From: Goforth, Kathleen

Sent: Friday, May 25, 2018 10:46 AM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>

Subject: Re: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi -

Thanks for the template. I have a few questions:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Please include Connell Dunning and Nicole Moutoux on any messages requesting Regional action, especially when fast turnaround is required. That will help us ensure that nothing falls through the cracks if I am out of the office. I've cc'd them on this message.

Thanks -

-Kathy

Sent from my iPhone

On May 25, 2018, at 7:12 AM, Schaedle, Candi <Schaedle.Candi@epa.gov> wrote:

All –

We have been tasked to identify projects in the Regions that currently are or potentially will be receiving high-level political HQ review, visibility, and/or coordination. We've provided a template that you can use to report any projects – see below and the draft Project Forecast Report that is attached to this email. In the attachment, some projects have been filled in (R10/USACE/Pebble Mine/DEIS and

Non-Responsive:

but please feel free to edit this information.

- **Region/Lead Agency/Project Name/EIS type (Draft, Final, Supplement)/Anticipated (insert date)**
 - **Background:**
 - **EPA Involvement:**
 - **Status:**

The sooner that you can provide us this information, the better. The latest that we can receive this info is by **NOON on Wednesday, May 30th (eastern time)**. If you have nothing to report, please let us know so that we can track this.

We really appreciate your assistance on this and apologize for the quick turnaround.

If you have any questions, please let me know.

Many, many thanks again for your help and I hope you have a wonderful weekend!

Candi Schaedle
NEPA Compliance Division
202-564-6121

<Project Forecast Report 25 May 2018.docx>

Message

From: Duncan, Bruce [Duncan.Bruce@epa.gov]
Sent: 6/4/2018 9:45:43 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: ORD support for Pebble EIS

Thanks!!!

From: McGrath, Patricia
Sent: Monday, June 04, 2018 1:05 PM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Deliberative Process / Ex. 5

Patty

From: Duncan, Bruce
Sent: Thursday, May 31, 2018 6:57 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Patty – another hydro possibility if you are interested – see below.

Bruce

From: Burden, Susan
Sent: Thursday, May 31, 2018 5:45 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Blank, Valerie <Blank.Valerie@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

Do you know whether Patty has met with Muluken Muche yet? We have identified another hydrologist that may be available to support R10. Do you know whether they would like to explore that options as well?

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Thursday, May 17, 2018 3:22 PM
To: Burden, Susan <Burden.Susan@epa.gov>
Subject: RE: ORD support for Pebble EIS

Thanks Susan!

From: Burden, Susan
Sent: Thursday, May 17, 2018 12:21 PM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Riddick, Lee <Riddick.Lee@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

We've identified a federal post doc that has the expertise and availability to support R10 as a hydrologist. His name is Muluken Muche, and he is a post doc in NERL with two years left on his term. Attached is his resume. I recommend that Patty McGrath reach out to Muluken and arrange a phone call to assess whether his expertise and time constraints will fit within their needs. If R10 decides that Muluken is not the right fit, we can explore other options. Please let me know how it goes.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Wednesday, May 09, 2018 6:03 PM
To: Blank, Valerie <Blank.Valerie@epa.gov>
Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: RE: ORD support for Pebble EIS

Thank you!!!

From: Blank, Valerie
Sent: Wednesday, May 09, 2018 5:45 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Bruce,

We are reaching out across ORD through an additional level to look into this question and will get back to you soon.

Thanks, Valerie

Valerie Blank

Regional Science Program Coordinator
Office of Science Policy
EPA Office of Research and Development
202-564-1720

From: McGrath, Patricia
Sent: Friday, May 04, 2018 12:42 PM
To: Burden, Susan <Burden.Susan@epa.gov>; Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Given Susan's message below, will ORD be able to supply a hydrologist with modeling expertise as requested?

Thanks –
Patty

From: Burden, Susan
Sent: Friday, May 4, 2018 9:38 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

You're very welcome. Just to let you know, ORD did look into whether Steve Kraemer was available for this effort. Unfortunately, he is not available at this time.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce

Sent: Friday, May 04, 2018 11:55 AM

To: Burden, Susan <Burden.Susan@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

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Subject: RE: ORD support for Pebble EIS

Thank you Susan;

We very much appreciate your timely response and inreach within ORD on our high priority regional request. I have copied Patty McGrath (Lead), David Allnutt (Office Director) and Jill Nogi (Unit Manager) in our Office of Environmental Review and Assessment.

Patty, Jill, and David;

- Paul Ringold would like to (see attachment):
Develop fairly formal quarterly progress meetings or discussions to make sure that the work requested and performed is on track and continues to function within the boundaries of our original agreements.

Discuss the possibility of regional funding to assist ORD technical experts in keeping engaged with the EIS process. This may be particularly important as the experts will be spending only a small fraction of their time on this effort. Having someone to stay engaged with the EIS and with the science requirements and issues involved on their behalf could facilitate the efficient and effective use of their time and effort.
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- ORD indicated they do not have travel funds for their staff for this effort.

Let me know if I can be of further help.

Bruce

Bruce Duncan

Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10
1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140
206.553.0218 | duncan.bruce@epa.gov

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Subject: FW: ORD support for Pebble EIS

Importance: High

Hi Bruce,

Valerie shared this request with me last week, and I've worked with ORD's Program Support Coordinators to identify ORD staff available to work with R10 on the Pebble Mine EIS. As you know, R10 requested specific people and expertise for the project. I'm happy to report that Joe Ebersole, Michael Kravitz, and Kate Schofield are all available for this effort. Unfortunately, we were not able to identify anyone with the requested hydrology expertise. The hydrologists who worked on the Bristol Bay assessment are no longer with ORD (Jim Wiggington retired and Jason Todd is now with OCSPP).

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I'm assuming that you'll pass this information onto Patty. Please let me know if you need anything else from me.

Thanks,

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Sent: Thursday, April 26, 2018 12:12 PM
To: Burden, Susan <Burden.Susan@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS
Importance: High

fyi

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Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>;

McGrath, Patricia <mcgrath.patricia@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>; Ebersole, Joe <Ebersole.Joe@epa.gov>

Subject: FW: ORD support for Pebble EIS

Importance: High

Dear Maggie and Val,

Please find attached the Region 10 technical support request form for assistance. This is a high priority for R10 and we look forward to support starting as soon as possible. Our Regional Mining Advisor has been discussing the specifics with ORD Scientists already so this will not come as a surprise. Let me know of any next steps and how I can assist with the support request.

Bruce

Bruce Duncan

Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10
1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140
206.553.0218 | duncan.bruce@epa.gov

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Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>

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Hi Bruce-

Attached is the completed form. Please let me know if you need more information.

We would like some immediate assistance from Joe Ebersole to help us with scoping comments (due before the end of June) if that can be arranged.

Thanks-

Patty

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Sent: Monday, April 23, 2018 4:21 PM

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Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thanks Patti,

Here is a link to the form that OSP uses (from the R10 Science Steering Council SharePoint)

SUBMIT A TECHNICAL SUPPORT REQUEST:

Request Form - this form (Click [HERE](#)) is submitted to OSP who will help find the ORD support if available.

The form is pretty simple – if you need help I can arrange the information you provided into the desired format:

ORD Regional Decision Support Request	
Initiating Region and Division Region 10	Date
Contact Information Name: Phone Number: Email:	
Project Title	
Type of Scientific Support Requested <input type="checkbox"/> Consultative advice <input type="checkbox"/> Workgroup/seminar/committee participation <input type="checkbox"/> Document review Other (please specify)	
Description of Science Need – One-time request <u>Background & Problem.</u> <u>Assistance Needed/Research Steps</u>	
Project Milestones and Due Date	
Estimated number of hours required to complete request <input type="checkbox"/> 1 – 4 hours <input type="checkbox"/> 8 – 16 hours <input type="checkbox"/> 4 – 8 hours <input type="checkbox"/> >16 hours If >16, please provide an estimate of the hours needed	
Type of expertise needed (e.g., human health risk assessment, aquatic toxicology)	
Have you worked with ORD scientists on this project previously? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please list the names of the scientists.	
Regional Priority (To be completed by Regional Science Liaison – Bruce Duncan) <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	

From: McGrath, Patricia
Sent: Monday, April 23, 2018 1:46 PM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>
Subject: ORD support for Pebble EIS

Hello Bruce-

Last week I spoke with Scot Hagerthey regarding ORD support for our cooperating agency participation in the Pebble EIS. He acknowledged that ORD folks are interested and available and requested that I send the request for ORD support through you. Can you let me know how you like to see these requests. Is an email from me sufficient? Following is the support that is needed.

Request for ORD Support for Pebble Environmental Impact Statement

The US Army Corps of Engineers is the lead agency in developing an EIS for the Pebble Mine Project in Alaska. The Corps invited EPA to be a cooperating agency to assist the Corps in developing sections of the EIS. In addition, EPA is responsible for reviewing the Draft EIS and the public notice for the CWA 404 permit application. EPA Region 10 has put together a team to accomplish these responsibilities. There are several areas where EPA is requesting support from ORD to bolster EPA's review team and also benefit from ORD's past work in the Bristol Bay watershed where the mine project is located. From 2011 to 2014, EPA Region 10 and EPA's Office of Water worked with ORD in developing the Bristol Bay Watershed Assessment. ORD's experience and understanding of the watershed and potential impacts that could occur during mining will provide needed support to EPA Region 10's NEPA/permit review team in several key areas.

The key areas where we are requesting support are identified below.

Specialty	Summary of Assistance Requested	ORD staff requested
Fisheries	Provide advice to EPA's team on fisheries issues Provide input into EIS scoping letter Review baseline data Recommend aquatic resources impact assessment methodologies Participate in fisheries technical working group Review and provide comments on fisheries sections of the EIS	Joe Ebersole
Hydrology	Provide advice to EPA's team on hydrology issues Review groundwater and surface water hydrology baseline data Recommend impact assessment methodologies and modelling approaches and review results Participate in hydrology technical working group Review and provide comments on hydrology sections of the EIS	The ORD hydrologist that assisted with the Bristol Bay watershed assessment has retired. We do need support in this area and request that ORD identify individuals that can assist.
Transportation	Provide advice to EPA's team on transportation issues Review and provide comments on transportation sections of the EIS	Michael Kravitz
Coordination	Participate in monthly Pebble NEPA/permit team to assist with coordinating ORD support Potentially review sections of the EIS	Kate Schofield

In terms of timing, we are requesting ORDs immediate assistance to help with baseline data review and development of EPA's EIS scoping letter. We expect that assistance will be needed throughout the EIS process, with times of intense activity when documents are being reviewed and times with very little activity. The EIS process will take at least two years. There may be additional areas where we need support as the EIS process moves forward.

Please let me know if you need additional information.

Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Kelly, Christine M [kelly.christinem@epa.gov]
Sent: 7/2/2018 7:47:48 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: Pebble site visit

Deliberative Process / Ex. 5

Christine Kelly

EPA- Region 10
206-553-2770

From: McGrath, Patricia
Sent: Monday, July 02, 2018 11:27 AM
To: Kelly, Christine M <kelly.christinem@epa.gov>
Subject: RE: Pebble site visit

Deliberative Process / Ex. 5

From: Kelly, Christine M
Sent: Monday, July 2, 2018 10:07 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: Pebble site visit
Importance: High

Hi Patty,

Deliberative Process / Ex. 5

Christine Kelly

EPA- Region 10
206-553-2770

From: Eckley, Chris
Sent: Monday, July 02, 2018 7:09 AM
To: Kelly, Christine M <kelly.christinem@epa.gov>
Subject: FW: Pebble site visit
Importance: High

Hi Christine,
I'm not sure if you need the information below or not, but just forwarding in case its relevant.
Thanks,
Chris

From: Smith, Marla J.
Sent: Monday, June 25, 2018 10:55 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>

Cc: Fordham, Tami <Fordham.Tami@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>

Subject: RE: Pebble site visit

Importance: High

Good Morning,

Please submit your travel requests as soon as possible.

Your travel preparer will need to change the organization to EPAR10AOO and select the 18 Crossfunding ARE label. If they have any questions please have them call me.

Since you will be traveling on a Pebble arranged helicopter flight you will be invoiced by Pebble and will need to pay them. Please check to see if they accept the government travel card as payment. If not, you will need to write them a personal check for the cost. If you have to pay by personal check you will also need to submit a "direct bill/reimbursement" memo along with your voucher. If you need this memo, let me know and I can assist you with the wording.

If you have any questions/concerns, please let me know.

Thank you,

Marla Smith

Management Analyst

EPA/Region 10

Alaska Operations Office

(907) 271-1272

From: McGrath, Patricia

Sent: Thursday, June 21, 2018 11:54 AM

To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>

Cc: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>

Subject: Pebble site visit

Molly, Tim, and Chris –

Our Pebble site visit is confirmed for July 31. Please submit your TAs ASAP. ARE funding is available for this trip but needs to be obligated.

Following is information for the TAs.

Seattle travelers –

7/30 – fly to Anchorage and stay overnight

All travelers –

7/31:

8 am flight from Anchorage to Iliamna via Iliamna Air Taxi (arrive Iliamna at 9 am)

9:00 – 3:30 – Pebble site visit (mine site, road, ports) - this will entail helicopter time. The cost estimate for the helicopter portion is \$1200 per person (note PLP will invoice us for the exact amount)

4:30 – flight from Iliamna back to Anchorage (should arrive in Anchorage at 5:30)

Seattle travelers - you can return to Seattle on 7/31 as there are late flights leaving Anchorage – or overnight and leave Anchorage on 8/1. I will likely leave the morning of 8/1.

Please let Molly and I know if you have questions.

I am also ccing Marla who has been helpful with previous travel to Pebble.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Duncan, Bruce [Duncan.Bruce@epa.gov]
Sent: 5/9/2018 1:56:36 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: FW: ORD support for Pebble EIS

Got your vm and this came in today.

Bruce

From: Blank, Valerie
Sent: Wednesday, May 09, 2018 5:45 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Bruce,

We are reaching out across ORD through an additional level to look into this question and will get back to you soon.

Thanks, Valerie

Valerie Blank

Regional Science Program Coordinator
Office of Science Policy
EPA Office of Research and Development
202-564-1720

From: McGrath, Patricia
Sent: Friday, May 04, 2018 12:42 PM
To: Burden, Susan <Burden.Susan@epa.gov>; Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
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Importance: High

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Estimated number of hours required to complete request <input type="checkbox"/> 1 – 4 hours <input type="checkbox"/> 4 – 8 hours <input type="checkbox"/> 8 – 16 hours <input type="checkbox"/> >16 hours If >16, please provide an estimate of the hours needed	
Type of expertise needed (e.g., human health risk assessment, aquatic toxicology)	

Have you worked with ORD scientists on this project previously? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please list the names of the scientists.
Regional Priority (To be completed by Regional Science Liaison – Bruce Duncan) <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low

From: McGrath, Patricia

Sent: Monday, April 23, 2018 1:46 PM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: ORD support for Pebble EIS

Hello Bruce-

Last week I spoke with Scot Hagerthey regarding ORD support for our cooperating agency participation in the Pebble EIS. He acknowledged that ORD folks are interested and available and requested that I send the request for ORD support through you. Can you let me know how you like to see these requests. Is an email from me sufficient? Following is the support that is needed.

Request for ORD Support for Pebble Environmental Impact Statement

The US Army Corps of Engineers is the lead agency in developing an EIS for the Pebble Mine Project in Alaska. The Corps invited EPA to be a cooperating agency to assist the Corps in developing sections of the EIS. In addition, EPA is responsible for reviewing the Draft EIS and the public notice for the CWA 404 permit application. EPA Region 10 has put together a team to accomplish these responsibilities. There are several areas where EPA is requesting support from ORD to bolster EPA's review team and also benefit from ORD's past work in the Bristol Bay watershed where the mine project is located. From 2011 to 2014, EPA Region 10 and EPA's Office of Water worked with ORD in developing the Bristol Bay Watershed Assessment. ORD's experience and understanding of the watershed and potential impacts that could occur during mining will provide needed support to EPA Region 10's NEPA/permit review team in several key areas.

The key areas where we are requesting support are identified below.

Specialty	Summary of Assistance Requested	ORD staff requested
Fisheries	Provide advice to EPA's team on fisheries issues Provide input into EIS scoping letter Review baseline data Recommend aquatic resources impact assessment methodologies Participate in fisheries technical working group Review and provide comments on fisheries sections of the EIS	Joe Ebersole
Hydrology	Provide advice to EPA's team on hydrology issues Review groundwater and surface water hydrology baseline data Recommend impact assessment methodologies and modelling approaches and review results Participate in hydrology technical working group Review and provide comments on hydrology sections of the EIS	The ORD hydrologist that assisted with the Bristol Bay watershed assessment has retired. We do need support in this area and request that ORD identify individuals that can assist.

Transportation	Provide advice to EPA's team on transportation issues Review and provide comments on transportation sections of the EIS	Michael Kravitz
Coordination	Participate in monthly Pebble NEPA/permit team to assist with coordinating ORD support Potentially review sections of the EIS	Kate Schofield

In terms of timing, we are requesting ORDs immediate assistance to help with baseline data review and development of EPA's EIS scoping letter. We expect that assistance will be needed throughout the EIS process, with times of intense activity when documents are being reviewed and times with very little activity. The EIS process will take at least two years. There may be additional areas where we need support as the EIS process moves forward.

Please let me know if you need additional information.

Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Sent: 7/16/2018 6:29:19 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]
Subject: RE: BB presentation materials for AOO director
Attachments: Bristol Bay Script - AOO briefing_20180713_ACP.docx

Hi Patty –

Thanks! My edits to the script are attached.

Edits to ppt are all minor suggestions and are below (all up to your discretion):

Deliberative Process / Ex. 5

Palmer isn't going to attend **Personal Matters / Ex. 6** but asked for a copy of the ppt and script. Can one of you send it to him when it's done? (and put it on the G drive).

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Friday, July 13, 2018 12:06 PM
To: Peterson, Erik <Peterson.Erik@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: BB presentation materials for AOO director

Hi Erik and Ashley –

Attached is the updated BB presentation and script for the briefing with Sue on July 23. I revised the script in track changes.

Please let me know if you have any comments by COB Monday July 16 so that I can revise and finalize on Tuesday. I will be out of the office next Wednesday through Friday.

Also, Erik can you try to find a Seattle conference room for the briefing? Sue will be here in person.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Sent: 4/26/2018 8:05:10 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: pebble team call

We are starting.

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Thursday, April 26, 2018 12:55 PM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: FW: pebble team call

I am not sure if Molly got this

From: McGrath, Patricia
Sent: Thursday, April 26, 2018 12:52 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) <Vaughan.Molly@epa.gov>
Subject: pebble team call

Molly-
Can you start the Pebble team call today?
Conference Line/Code / Ex. 6

I am on a call with the Department of State that is going long. I will join when I can

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 4/26/2018 8:02:38 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: pebble team call

Yes, just started it.

From: McGrath, Patricia
Sent: Thursday, April 26, 2018 11:52 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: pebble team call

Molly-

Can you start the Pebble team call today?

Conference Line/Code

I am on a call with the Department of State that is going long. I will join when I can

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Sent: 5/8/2018 8:05:50 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: BB check in agenda items

I think that Eric added FOIA and PLP Letters. I think that Eric may not be able to join the meeting so I think I'm covering both.

Ashley Palomaki

Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Tuesday, May 08, 2018 9:01 AM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: FW: BB check in agenda items

Hi Ashley –
I meant to send this to you as well.
Patty

From: McGrath, Patricia
Sent: Tuesday, May 8, 2018 8:44 AM
To: Molly Vaughan (Vaughan.Molly@epa.gov) <Vaughan.Molly@epa.gov>; Erik Peterson (Peterson.Erik@epa.gov) <Peterson.Erik@epa.gov>
Subject: BB check in agenda items

Hi Molly and Erik –
Please let me know if you have any agenda items for the BB check-in, in addition to those below.

Scoping letter
ORD EIS support team assignments
DNR announcement regarding Bristol Bay Advisory Group

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

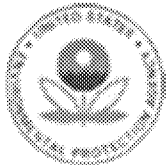
From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 5/8/2018 4:20:37 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: BB check in agenda items

I would add the following.

FOIA
PLP letter to the Administrator

Whatever overall order you think is fine by me. And, I likely won't be able to call in so I will ask that someone from the 404(c) team to cover. Likely Ashley and/or Palmer.

Also, my sense is that those are our 404(c) items. We are meeting today at 12:30 and if something else comes up I'll let you know. If you want to send the agenda out sooner though I understand. Unlikely that we would have several major things.



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

From: McGrath, Patricia
Sent: Tuesday, May 08, 2018 8:44 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>
Subject: BB check in agenda items

Hi Molly and Erik –
Please let me know if you have any agenda items for the BB check-in, in addition to those below.

Scoping letter
ORD EIS support team assignments
DNR announcement regarding Bristol Bay Advisory Group

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 5/8/2018 4:15:53 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: BB check in agenda items

Hi Patty,

I don't have any additional items to add, and unfortunately will not be able to attend the meeting tomorrow. I will be on

Personal Matters / Ex. 6

I am still waiting on comments from one associate reviewer, but will definitely have the revised letter to you for review by the end of today. Your allotted time for review in the schedule is through the end of this week (or sometime Monday morning would be okay for me to stay on schedule). Does this timing still work for you?

Thanks,
Molly

From: McGrath, Patricia
Sent: Tuesday, May 08, 2018 7:44 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>
Subject: BB check in agenda items

Hi Molly and Erik –
Please let me know if you have any agenda items for the BB check-in, in addition to those below.

Scoping letter
ORD EIS support team assignments
DNR announcement regarding Bristol Bay Advisory Group

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: Nogi, Jill [nogi.jill@epa.gov]
Sent: 8/8/2018 8:08:35 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
CC: McGrath, Patricia [mcgrath.patricia@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]
Subject: Re: OERA pebble presentation

From the conversation on Monday, Tim offered to talk about some of his pictures from the site visit. Linda knew of briefing materials that you had, Patty, so if Tim can pull some big picture/schedule type slides for covering a few things that could be helpful for some background/context. It's not that much time so thinking about some highlights without a lot of details...

Linda thought Erik could share a few updates from his team as well and I let her. **Personal Matters / Ex. 6**
Personal Matters / Ex. 6 Barry's asked for all materials in advance to share with the whole office with the lit hold, everyone would have to save everything they receive so let's keep thinking about the materials.

Molly I've heard that you can hear the speakers from the lab, but it won't be set up easily for you to share anything from AK. If there's points you think we could share with the office we should work that in to what Tim and/or Erik could be sharing in the 15 minutes.

Thanks,
Jill

Sent from my iPhone

On Aug 8, 2018, at 12:19 PM, Vaughan, Molly <Vaughan.Molly@epa.gov> wrote:

Hi Patty – I will not be at the picnic, but can provide information on the status of the NEPA review if needed.

From: McGrath, Patricia
Sent: Wednesday, August 08, 2018 11:00 AM
To: Peterson, Erik <Peterson.Erik@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: OERA pebble presentation

Linda has asked for a short (15 min) update on Pebble for the OERA picnic next week (8/17).

It is not clear to me who would be presenting the information.

Personal Matters / Ex. 6

Do we know who is going to this and could do a presentation?

I can help prepare something if needed, but I have very limited time.

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Ebersole, Joe [Ebersole.Joe@epa.gov]
Sent: 5/23/2018 11:45:10 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: ORD support for Pebble EIS

Hi Patty,

Tomorrow is a meeting-dense day, but I've got a window between 9 and 10, then again after 3.

Deliberative Process / Ex. 5

Happy to chat more on phone tomorrow if you're available. I'm also available Friday morning until 11:30.

Thanks,

Joe

Joseph L. Ebersole, PhD | 1.541.754.4775 | ebersole.joe@epa.gov | [EPA staff profile](#)
US Environmental Protection Agency | 200 SW 35th St, Corvallis, OR 97333

From: McGrath, Patricia
Sent: Wednesday, May 23, 2018 9:09 AM
To: Ebersole, Joe <Ebersole.Joe@epa.gov>
Subject: RE: ORD support for Pebble EIS

2 pm would work great
thanks

From: Ebersole, Joe
Sent: Wednesday, May 23, 2018 9:00 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Patty,

Would sometime this afternoon after 2pm work? If so, I can call you shortly after 2, (or anytime up to 5pm)

Talk soon,

Joe

Joseph L. Ebersole, PhD | 1.541.754.4775 | ebersole.joe@epa.gov | [EPA staff profile](#)
US Environmental Protection Agency | 200 SW 35th St, Corvallis, OR 97333

From: McGrath, Patricia
Sent: Wednesday, May 23, 2018 8:45 AM
To: Ebersole, Joe <Ebersole.Joe@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Joe-

Deliberative Process / Ex. 5

Please feel free to give me a call when you have a minute.

Thanks-

Patty

From: Duncan, Bruce
Sent: Thursday, May 17, 2018 12:23 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Patty, for your consideration.

Bruce

From: Burden, Susan
Sent: Thursday, May 17, 2018 12:21 PM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Riddick, Lee <Riddick.Lee@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

We've identified a federal post doc that has the expertise and availability to support R10 as a hydrologist. His name is Muluken Muche, and he is a post doc in NERL with two years left on his term. Attached is his resume. I recommend that Patty McGrath reach out to Muluken and arrange a phone call to assess whether his expertise and time constraints will fit within their needs. If R10 decides that Muluken is not the right fit, we can explore other options. Please let me know how it goes.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Wednesday, May 09, 2018 6:03 PM
To: Blank, Valerie <Blank.Valerie@epa.gov>
Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: RE: ORD support for Pebble EIS

Thank you!!!

From: Blank, Valerie
Sent: Wednesday, May 09, 2018 5:45 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Bruce,

We are reaching out across ORD through an additional level to look into this question and will get back to you soon.

Thanks, Valerie

Valerie Blank

Regional Science Program Coordinator
Office of Science Policy
EPA Office of Research and Development
202-564-1720

From: McGrath, Patricia
Sent: Friday, May 04, 2018 12:42 PM
To: Burden, Susan <Burden.Susan@epa.gov>; Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Given Susan's message below, will ORD be able to supply a hydrologist with modeling expertise as requested?

Thanks –
Patty

From: Burden, Susan
Sent: Friday, May 4, 2018 9:38 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

You're very welcome. Just to let you know, ORD did look into whether Steve Kraemer was available for this effort. Unfortunately, he is not available at this time.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce

Sent: Friday, May 04, 2018 11:55 AM

To: Burden, Susan <Burden.Susan@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma

<Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thank you Susan;

We very much appreciate your timely response and inreach within ORD on our high priority regional request. I have copied Patty McGrath (Lead), David Allnutt (Office Director) and Jill Nogi (Unit Manager) in our Office of Environmental Review and Assessment.

Patty, Jill, and David;

- Paul Ringold would like to (see attachment):
 - Develop fairly formal quarterly progress meetings or discussions to make sure that the work requested and performed is on track and continues to function within the boundaries of our original agreements.
 - Discuss the possibility of regional funding to assist ORD technical experts in keeping engaged with the EIS process. This may be particularly important as the experts will be spending only a small fraction of their time on this effort. Having someone to stay engaged with the EIS and with the science requirements and issues involved on their behalf could facilitate the efficient and effective use of their time and effort.
- Although no hydrologist has been identified, Steve Kraemer (NERL) has been suggested as a possible option.
- Additionally, Barb Butler, an author of the Bristol Bay assessment, is willing to assist in areas not mentioned in the original request that might come up in the future, including reviews of water quality data (groundwater or surface water), mining materials testing data (e.g., kinetic and static leaching tests), sampling/analysis design, and mitigation/treatment options for control of water quality (e.g., management of wastes to minimize leaching/seepage issues, fate and transport of constituents in water if mine drainage is formed, and treatment of drainage).
- ORD indicated they do not have travel funds for their staff for this effort.

Let me know if I can be of further help.

Bruce

Bruce Duncan

Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10
1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140
206.553.0218 | duncan.bruce@epa.gov

From: Burden, Susan

Sent: Friday, May 04, 2018 4:26 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>

Subject: FW: ORD support for Pebble EIS

Importance: High

Hi Bruce,

Valerie shared this request with me last week, and I've worked with ORD's Program Support Coordinators to identify ORD staff available to work with R10 on the Pebble Mine EIS. As you know, R10 requested specific people and expertise for the project. I'm happy to report that Joe Ebersole, Michael Kravitz, and Kate Schofield are all available for this effort. Unfortunately, we were not able to identify anyone with the requested hydrology expertise. The hydrologists who worked on the Bristol Bay assessment are no longer with ORD (Jim Wiggington retired and Jason Todd is now with OCSPP).

Additionally, Barb Butler, an author of the Bristol Bay assessment, is willing to assist in other areas (aka, areas not mentioned in the original request) that might come up in the future with respect to this mine site, including reviews of water quality data (groundwater or surface water), mining materials testing data (e.g., kinetic and static leaching tests), sampling/analysis design, and mitigation/treatment options for control of water quality (e.g., management of wastes to minimize leaching/seepage issues, fate and transport of constituents in water if mine drainage is formed, and treatment of drainage).

Finally, Paul Ringold, Joe Ebersole's branch chief, has asked for a follow up conversation with Patty McGrath (or R10's lead on the Pebble Mine EIS, if it is not Patty) to discuss Joe's participation. Paul's specific requests are in the attached email. Also, please note that the attached email chain indicates that Joe is available for up to 10% of his time for two years.

I'm assuming that you'll pass this information onto Patty. Please let me know if you need anything else from me.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Blank, Valerie
Sent: Thursday, April 26, 2018 12:12 PM
To: Burden, Susan <Burden.Susan@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS
Importance: High

fyi

From: Duncan, Bruce
Sent: Tuesday, April 24, 2018 2:41 PM
To: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>;

McGrath, Patricia <mcgrath.patricia@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>; Ebersole, Joe <Ebersole.Joe@epa.gov>

Subject: FW: ORD support for Pebble EIS

Importance: High

Dear Maggie and Val,

Please find attached the Region 10 technical support request form for assistance. This is a high priority for R10 and we look forward to support starting as soon as possible. Our Regional Mining Advisor has been discussing the specifics with ORD Scientists already so this will not come as a surprise. Let me know of any next steps and how I can assist with the support request.

Bruce

Bruce Duncan

Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10
1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140
206.553.0218 | duncan.bruce@epa.gov

From: McGrath, Patricia

Sent: Tuesday, April 24, 2018 8:33 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>

Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Attached is the completed form. Please let me know if you need more information.

We would like some immediate assistance from Joe Ebersole to help us with scoping comments (due before the end of June) if that can be arranged.

Thanks-

Patty

From: Duncan, Bruce

Sent: Monday, April 23, 2018 4:21 PM

To: McGrath, Patricia <mcgrath.patricia@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>;

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thanks Patti,

Here is a link to the form that OSP uses (from the R10 Science Steering Council SharePoint)

SUBMIT A TECHNICAL SUPPORT REQUEST:

Request Form - this form (Click [HERE](#)) is submitted to OSP who will help find the ORD support if available.

The form is pretty simple – if you need help I can arrange the information you provided into the desired format:

ORD Regional Decision Support Request	
Initiating Region and Division Region 10	Date
Contact Information Name: Phone Number: Email:	
Project Title	
Type of Scientific Support Requested <input type="checkbox"/> Consultative advice <input type="checkbox"/> Workgroup/seminar/committee participation <input type="checkbox"/> Document review Other (please specify)	
Description of Science Need – One-time request <u>Background & Problem.</u> <u>Assistance Needed/Research Steps</u>	
Project Milestones and Due Date	
Estimated number of hours required to complete request <input type="checkbox"/> 1 – 4 hours <input type="checkbox"/> 8 – 16 hours <input type="checkbox"/> 4 – 8 hours <input type="checkbox"/> >16 hours If >16, please provide an estimate of the hours needed	
Type of expertise needed (e.g., human health risk assessment, aquatic toxicology)	
Have you worked with ORD scientists on this project previously? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please list the names of the scientists.	
Regional Priority (To be completed by Regional Science Liaison – Bruce Duncan) <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	

From: McGrath, Patricia

Sent: Monday, April 23, 2018 1:46 PM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>;

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: ORD support for Pebble EIS

Hello Bruce-

Last week I spoke with Scot Hagerthey regarding ORD support for our cooperating agency participation in the Pebble EIS. He acknowledged that ORD folks are interested and available and requested that I send the request for ORD support through you. Can you let me know how you like to see these requests. Is an email from me sufficient? Following is the support that is needed.

Request for ORD Support for Pebble Environmental Impact Statement

The US Army Corps of Engineers is the lead agency in developing an EIS for the Pebble Mine Project in Alaska. The Corps invited EPA to be a cooperating agency to assist the Corps in developing sections of the EIS. In addition, EPA is responsible for reviewing the Draft EIS and the public notice for the CWA 404 permit application. EPA Region 10 has put together a team to accomplish these responsibilities. There are several areas where EPA is requesting support from ORD to bolster EPA's review team and also benefit from ORD's past work in the Bristol Bay watershed where the mine project is located. From 2011 to 2014, EPA Region 10 and EPA's Office of Water worked with ORD in developing the Bristol Bay Watershed Assessment. ORD's experience and understanding of the watershed and potential impacts that could occur during mining will provide needed support to EPA Region 10's NEPA/permit review team in several key areas.

The key areas where we are requesting support are identified below.

Specialty	Summary of Assistance Requested	ORD staff requested
Fisheries	Provide advice to EPA's team on fisheries issues Provide input into EIS scoping letter Review baseline data Recommend aquatic resources impact assessment methodologies Participate in fisheries technical working group Review and provide comments on fisheries sections of the EIS	Joe Ebersole
Hydrology	Provide advice to EPA's team on hydrology issues Review groundwater and surface water hydrology baseline data Recommend impact assessment methodologies and modelling approaches and review results Participate in hydrology technical working group Review and provide comments on hydrology sections of the EIS	The ORD hydrologist that assisted with the Bristol Bay watershed assessment has retired. We do need support in this area and request that ORD identify individuals that can assist.
Transportation	Provide advice to EPA's team on transportation issues Review and provide comments on transportation sections of the EIS	Michael Kravitz
Coordination	Participate in monthly Pebble NEPA/permit team to assist with coordinating ORD support Potentially review sections of the EIS	Kate Schofield

In terms of timing, we are requesting ORDs immediate assistance to help with baseline data review and development of EPA's EIS scoping letter. We expect that assistance will be needed throughout the EIS process, with times of intense activity when documents are being reviewed and times with very little activity. The EIS process will take at least two years. There may be additional areas where we need support as the EIS process moves forward.

Please let me know if you need additional information.

Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Herbst, John [herbst.john@epa.gov]
Sent: 5/23/2018 9:56:31 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: RTOC Standing Issues Table - EPA Updates by 6/1

Great! Thanks for these updates!

JR

From: McGrath, Patricia
Sent: Wednesday, May 23, 2018 2:45 PM
To: Herbst, John <herbst.john@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Shaw, Hanh <Shaw.Hanh@epa.gov>; Szelag, Matthew <Szelag.Matthew@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Bottcher, Helen <Bottcher.Helen@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: Murphy, Stacy <Murphy.Stacy@epa.gov>; Ortiz, Michael <Ortiz.Michael@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>
Subject: RE: RTOC Standing Issues Table - EPA Updates by 6/1

Hi JR-

I made revisions to the standing issues table for Pebble (NEPA aspects). Please let me know if you have questions.

Patty

**Non-Responsive: Unrelated to
Bristol Bay/Pebble Mine**

From: Herbst, John
Sent: Tuesday, May 22, 2018 12:03 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Shaw, Hanh <Shaw.Hanh@epa.gov>; Szelag, Matthew <Szelag.Matthew@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Bottcher, Helen <Bottcher.Helen@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: Murphy, Stacy <Murphy.Stacy@epa.gov>; Ortiz, Michael <Ortiz.Michael@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>
Subject: RTOC Standing Issues Table - EPA Updates by 6/1

Hello,

The next EPA Region 10 Tribal Operations Committee (RTOC) quarterly meeting will be held on June 5th- 7th in Juneau, AK. Please provide any updates that you may have to the RTOC Standing Issues **by Friday, June 1st**. These updates will be shared with the RTOC electronically prior to their meeting.

The RTOC Standing Issues is available on OneDrive located at:

Internal Website/ Ex. 6

Let me know if you have any questions or need any additional information about this quarterly RTOC request.

Thanks for your time!

JR

John (JR) Herbst | Tribal Consultation Specialist
U.S. Environmental Protection Agency | Region 10
1200 6th Avenue | Seattle, WA 98101
P: (206) 553.2116 | Herbst.John@epa.gov
F: (206) 553.1775 | [Region 10 Tribal Programs](#)

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 5/22/2018 7:19:54 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: RE: BB check in

Hi Patty,

The only other agenda item I can think of is a welcome to Mark Douglas – I assume he will be attending these calls now as Matt was before?

Regarding the scoping letter status, Jill and I have worked out a revised schedule per David's request to try to finish before the last minute. The plan is for ORC to complete review by COB today and Jill by COB Thursday. This would then bump the director (David and Tami) review to 5/25-6/1 and HQ review to 6/4-6/12. I have already let Megan Barnhart (at OFA) and Palmer know about the planned HQ review time, so they can be ready.

I have not yet had a chance to read the new documents Shane distributed and determine if any changes are needed in the scoping letter, but that is on my to-do list for this week.

Thanks,
Molly

From: McGrath, Patricia
Sent: Tuesday, May 22, 2018 7:32 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: BB check in

Hi Molly, Erik, and Ashley –

Please let me know if you have agenda items for the check-in meeting tomorrow, in addition to those below:

- Scoping letter status
- PLP project description updates
- June 6 cooperating agency meeting

Thanks –
Patty

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 5/22/2018 5:05:23 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Subject: RE: BB check in

Thank you Patty, here are our items as of now. There is some chance that we may have another one, or that one of these won't need to happen – my suggestion would be that we can play that by ear if it happens and you can send these out whenever you want. I would also suggest that the EIS/permitting items come first.

- FOIA
- PLP response
- Congressional Western Caucus response
- HAC QFR response
- FYI correspondence



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

From: McGrath, Patricia
Sent: Tuesday, May 22, 2018 8:32 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: BB check in

Hi Molly, Erik, and Ashley –

Please let me know if you have agenda items for the check-in meeting tomorrow, in addition to those below:

- Scoping letter status
- PLP project description updates
- June 6 cooperating agency meeting

Thanks –
Patty

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov


Appointment

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 4/5/2018 6:38:56 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: BB funds - Hydrologic Support
Location: Conference line enclosed

Start: 4/6/2018 5:00:00 PM
End: 4/6/2018 5:30:00 PM
Show Time As: Tentative

<!--[if lte mso 15 || CheckWebRef]-->

Peterson, Erik has shared a OneDrive for Business file with you. To view it, click the link below.

 Bristol Bay - 2018 Funding Needs(1).docx

<!--[endif]-->

Finalize the memo to Szerlog.

→ Join by Phone

Conference Line/Code / Ex. 6

Conference Line/Code / Ex. 6

→ Join Skype Meeting

Trouble Joining? [Try Skype Web App](#)

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Unextractable file placeholder

Appointment

From: Lavoie, Emma [Lavoie.Emma@epa.gov]
Sent: 4/3/2018 9:49:46 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]

Subject: Tentative: FW: ORD support for Pebble EIS

Location: **Conference Line/Code / Ex. 6**

Start: 4/5/2018 8:00:00 PM

End: 4/5/2018 9:00:00 PM

Show Time As: Busy

Appointment

From: Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]
Sent: 4/3/2018 9:02:33 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]

Subject: Meeting Forward Notification: ORD support for Pebble EIS

Location: **Conference Line/Code / Ex. 6**

Start: 4/5/2018 8:00:00 PM
End: 4/5/2018 9:00:00 PM

Recurrence: (none)

Your meeting was forwarded

Schofield, Kate has forwarded your meeting request to additional recipients.

Meeting

ORD support for Pebble EIS

Meeting Time

Thursday, April 5, 2018 1:00 PM-2:00 PM.

Recipients

Lavoie, Emma

Bierwagen, Britta

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

Sent by Microsoft Exchange Server

Appointment

From: Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]
Sent: 5/18/2018 7:28:56 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: Meeting Forward Notification: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 7/22/2018 8:00:00 PM
End: 7/22/2018 9:00:00 PM

Recurrence: (none)

Your meeting was forwarded

LaCroix, Matthew has forwarded your meeting request to additional recipients.

Meeting

Pebble permit oversight/NEPA team

Meeting Time

Sunday, July 22, 2018 1:00 PM-2:00 PM.

Recipients

Douglas, Mark

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

Sent by Microsoft Exchange Server

Appointment

From: Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]
Sent: 5/18/2018 7:28:55 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]
Subject: Meeting Forward Notification: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 9/22/2018 8:00:00 PM
End: 9/22/2018 9:00:00 PM

Recurrence: (none)

Your meeting was forwarded

LaCroix, Matthew has forwarded your meeting request to additional recipients.

Meeting

Pebble permit oversight/NEPA team

Meeting Time

Saturday, September 22, 2018 1:00 PM-2:00 PM.

Recipients

Douglas, Mark

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

Sent by Microsoft Exchange Server

Appointment

From: Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]
Sent: 5/18/2018 7:28:54 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]

Subject: Meeting Forward Notification: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 11/22/2018 9:00:00 PM
End: 11/22/2018 10:00:00 PM

Recurrence: (none)

Your meeting was forwarded

LaCroix, Matthew has forwarded your meeting request to additional recipients.

Meeting

Pebble permit oversight/NEPA team

Meeting Time

Thursday, November 22, 2018 1:00 PM-2:00 PM.

Recipients

Douglas, Mark

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

Sent by Microsoft Exchange Server

Appointment

From: Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]
Sent: 4/5/2018 8:03:15 PM
To: McGrath, Patricia [mcgrath.patricia@epa.gov]

Subject: Meeting Forward Notification: ORD support for Pebble EIS

Location: **Conference Line/Code / Ex. 6**

Start: 4/5/2018 8:00:00 PM
End: 4/5/2018 9:00:00 PM

Recurrence: (none)

Your meeting was forwarded

Bierwagen, Britta has forwarded your meeting request to additional recipients.

Meeting

ORD support for Pebble EIS

Meeting Time

Thursday, April 5, 2018 1:00 PM-2:00 PM.

Recipients

Hagerthey, Scot

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

Sent by Microsoft Exchange Server

Message

From: Bujak, Charissa [bujak.charissa@epa.gov]
Sent: 4/12/2018 4:52:44 PM
To: Stoddard, Jamey [Stoddard.Jamey@epa.gov]; Young, Margo [Young.Margo@epa.gov]; Mahmud, Shahid [Mahmud.Shahid@epa.gov]; Congdon, Julie [Congdon.Julie@epa.gov]; Davis, Michelle V. [Davis.MichelleV@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Hood, Lynne [Hood.Lynne@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Martich, Tara [Martich.Tara@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; McKenna, Elizabeth [Mckenna.Elizabeth@epa.gov]; Moreen, Ed [Moreen.Ed@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]; Tomten, Dave [Tomten.Dave@epa.gov]; Vanderboom, Eric [Vanderboom.Eric@epa.gov]; Wilkening, Matt [Wilkening.Matt@epa.gov]; Zokan, James [Zokan.Jim@epa.gov]; Wernitz, James [Wernitz.James@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: 5.16.2018 Mining Team Retreat: updated location
Attachments: WRC Campus.docx; SPD Drawings.docx; 2018 draft Mine Team Retreat (003).docx

Good morning Mining Team,

We are continuing to plan location logistics for the Mine Team Retreat to occur on **Wednesday, May 16**. A DRAFT agenda is attached but please keep in mind this agenda is changing as we continuing to finalize the details.

There has been a location change and the new location of the meeting is detailed below:

NOAA Western Regional Site

7600 Sand Point Way NE,
Seattle, WA 98115

- Conference room located at **Building # 2** (see map) on the lower level of the building with reserved parking only
- Recommended to park in the parking lot in **Building #1**

Food: There is a cafeteria on campus, if you plan on utilizing the campus cafeteria we are requested to do so after 12:30pm PST.

Most folks travelling will be staying downtown. Please record how you will get to the facility at the below link:

Internal Website / Ex. 6

Thanks!

Charissa Bujak
Biologist
U.S. Environmental Protection Agency
Region 10, Boise ID Ops Office
950 W. Bannock St.
Boise, ID 83702
Phone: (208) 378-5754
Email: bujak.charissa@epa.gov

DRAFT AGENDA
Mine Team “Sector” Retreat 2018
Wednesday, May 16th

Goal: *To connect as a team, share program updates, and develop a Regional Mine Sector Workplan.*

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Location:

NOAA Western Regional Center at Magnuson Park, 7600 Sand Point Way, Seattle WA. Building #2
Conference Room

Travel Logistics: *Arrive at 9:00. Carpools TBD*

Agenda

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

**Non-Responsive: Unrelated to Bristol
Bay/Pebble Mine**

- Pebble update, Patty (if time permits)

**Non-Responsive: Unrelated to Bristol
Bay/Pebble Mine**

Message

From: McGrath, Patricia [mcgrath.patricia@epa.gov]
Sent: 8/10/2018 6:10:20 PM
To: Bartus, Dave [Bartus.Dave@epa.gov]; Bujak, Charissa [bujak.charissa@epa.gov]; Congdon, Julie [Congdon.Julie@epa.gov]; Cora, Christopher [Cora.Christopher@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Davis, Michelle V. [Davis.MichelleV@epa.gov]; DeMaria, Eva [DeMaria.Eva@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Goulet, Joe [Goulet.Joe@epa.gov]; Grandinetti, Cami [Grandinetti.Cami@epa.gov]; Hale, Elly [Hale.Elly@epa.gov]; Hood, Lynne [Hood.Lynne@epa.gov]; Jen, Mark [Jen.Mark@epa.gov]; MacDonald, Jennifer [Macdonald.Jennifer@epa.gov]; MacIntyre, Mark [Macintyre.Mark@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Martich, Tara [Martich.Tara@epa.gov]; Mbabaliye, Theogene [Mbabaliye.Theogene@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; McKenna, Elizabeth [Mckenna.Elizabeth@epa.gov]; Moreen, Ed [Moreen.Ed@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Olson, Lisa [Olson.Lisa@epa.gov]; Owens, Kim [Owens.Kim@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Prestbo, Kim [Prestbo.Kim@epa.gov]; Sheldrake, Beth [sheldrake.beth@epa.gov]; Sibley, Michael [Sibley.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Stoddard, Jamey [Stoddard.Jamey@epa.gov]; Storm, Linda [Storm.Linda@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]; Tomten, Dave [Tomten.Dave@epa.gov]; Vakoc, Misha [Vakoc.Misha@epa.gov]; Vanderboom, Eric [Vanderboom.Eric@epa.gov]; Villa, Catherine [Villa.Catherine@epa.gov]; Wallace, Joe [Wallace.Joe@epa.gov]; Wilkening, Matt [Wilkening.Matt@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]
Subject: ET Mining Subgroup summary - August 2018
Attachments: ET_miningsubgroup_summary_201808.docx; ETMiningSubgroupCharter_150314.pdf

Dear Mining Team-

Attached is the R10 mining sector summary that was shared with the ET Mining Subgroup during a meeting earlier this week.

As mentioned at the last mining team meeting, I meet with the ET Mining Subgroup quarterly and prepare quarterly updates in advance (and email updates more frequently as needed). The highlighted text in the summary are the issues that were discussed during the meeting – in addition to others that the ET brought up.

Also, a couple of you have asked to see the ET Mining Subgroup Charter, which is attached.

Please let me know if you have questions.

Best regards
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

ET Mining Subgroup – Mining Sector Update
August 7, 2018

Non-responsive: Unrelated to Bristol Bay/Pebble Mine

Pebble (AK)	NEPA (CA) 404 NPDES (o/s) Air (o/s)	<ul style="list-style-type: none">- Proposal to withdraw 404(c) determinations was suspended- EPA submitted scoping comments to the Corps on 6/29/2018- We are reviewing early versions of select sections of the draft EIS- Draft EIS scheduled for January 2019- Summer field visits
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Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

- The critical minerals list was published in February 2018 and includes several minerals that could be mined in the Region.
- A federal agency task force has been developed to provide input to into Critical Minerals permitting and environmental review streamlining recommendations. DOI-BLM is the task force lead. I am participating on the work group developed by OP/OFA to provide EPA feedback to BLM.
- Final critical minerals task force recommendations will be noticed in September 2018.

Travel/Logistics

- September 25 – 27 – planned AOO meetings and NEPA UM and AOO Director site visit to Pebble
- October 29 & 30, 2018 – invited by R8 and BC MOE to participate in Elk Valley/Koocanusa/Kootenai annual meeting in Cranbrook BC
- December 2018 – invited to participate on panel with other Federal agencies at American Exploration and Mining Association conference in Spokane

Recusals

- Donlin
- Palmer Project (Constantine)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 3/31/2018 4:47:26 PM
To: Herbst, John [herbst.john@epa.gov]
CC: Ortiz, Michael [Ortiz.Michael@epa.gov]; Michelle V. Davis (Davis.MichelleV@epa.gov) [Davis.MichelleV@epa.gov]
Subject: RTOC updates - mining

Hi JR-

I provided updates to the Standing Issues table (Pebble):

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

From: Herbst, John
Sent: Tuesday, March 13, 2018 5:08 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Shaw, Hanh <Shaw.Hanh@epa.gov>; Szelag, Matthew <Szelag.Matthew@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Bottcher, Helen <Bottcher.Helen@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: Murphy, Stacy <Murphy.Stacy@epa.gov>; Ortiz, Michael <Ortiz.Michael@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>
Subject: RTOC Standing Issues Table - EPA Updates by 3/30

Good Afternoon,

The next EPA Region 10 Tribal Operations Committee (RTOC) quarterly meeting will be held on April 9th- 10th in Worley, ID. Please provide any updates to the RTOC Standing Issues Table for Tribes **by Friday, March 30th**.

The updated Table will be shared with the RTOC during their meeting, and is available on OneDrive located at:

Internal Website / Ex. 6

Let me know if you have any questions or need any additional information about this quarterly RTOC request.

Thanks!

JR

John (JR) Herbst | Tribal Consultation Specialist
U.S. Environmental Protection Agency | Region 10
1200 6th Avenue | Seattle, WA 98101
P: (206) 553.2116 | Herbst.John@epa.gov
F: (206) 553.1775 | [Region 10 Tribal Programs](#)

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/4/2018 6:36:32 PM
To: Werntz, James [Werntz.James@epa.gov]
Subject: RE: TAs for September travel

Hi Jim-

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

-----Original Message-----

From: Werntz, James
Sent: Thursday, August 30, 2018 10:20 AM
To: Bailey, Tina L. <bailey.tina@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Townsend, Tom <Townsend.Tom@epa.gov>
Subject: RE: TAs for September travel

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thank you. Jim

James H. Werntz, Director
US EPA - Idaho Operations
950 W. Bannock St., Suite 900
Boise, Idaho 83702

208-378-5743

-----Original Message-----

From: Bailey, Tina L.
Sent: Wednesday, August 29, 2018 12:13 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Werntz, James <Werntz.James@epa.gov>; Smith, Marla J. <Smith.MarlaJ@epa.gov>; Townsend, Tom <Townsend.Tom@epa.gov>
Subject: RE: TAs for September travel

Thank you for letting me know I will make sure they get cancelled.

Thank You

Tina Bailey
Administrative Specialist
Region 10 - Idaho Operations Office
950 W. Bannock Street, Suite 900
Boise, Idaho 83702
208-378-5746
Fax: 208-378-5744

-----Original Message-----

From: McGrath, Patricia
Sent: Wednesday, August 29, 2018 11:40 AM
To: Bailey, Tina L. <bailey.tina@epa.gov>
Cc: Werntz, James <Werntz.James@epa.gov>; Smith, Marla J. <Smith.MarlaJ@epa.gov>; Townsend, Tom <Townsend.Tom@epa.gov>
Subject: TAs for September travel

Hi Tina

I want to let you know that my two trips to Alaska in September are cancelled. The trip for September 18 was for an all day agency meeting associated with the Pebble EIS. The Corps of Engineers cancelled that meeting and is replacing that meeting with a series of 2 hour conference calls. The trip for the following week was to accompany our NEPA unit manager and new AOO director on a site visit to Pebble.

I appreciate all the work you put into these TAs and wanted to let you know ASAP that these are cancelled. Hopefully the ARE funds can be used for others to travel.

Please let me know if you have questions.

Patty

Sent from my iPhone

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/12/2018 3:58:05 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]
Subject: RE: BB check in agenda items

Thanks Eric. I am calling in from home and don't have the leader pin with me. Can you initiate the call?

From: Peterson, Erik
Sent: Monday, June 11, 2018 11:07 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: BB check in agenda items

Patty,

I suggest the following for the agenda. I also suggest they come after yours.

- QFR
- PLP response
- Forsgren and Hladick meeting
- Western Caucus response

Ashley may have more based on last week's work. I propose that you can go ahead and we'll add Ashley's suggestion later if she has one.



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

From: McGrath, Patricia
Sent: Monday, June 11, 2018 9:17 AM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>
Subject: BB check in agenda items

Hi All-

Please let me know if you have agenda items in addition to those below for the BB check in meeting that was rescheduled for tomorrow.

- FOIA
- Status of scoping letter
- Cooperating agency meeting
- Site travel

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/26/2018 3:10:29 PM
To: Smith, Marla J. [Smith.MarlaJ@epa.gov]
Subject: FW: EPA Tour
Attachments: ATT00001.txt

Hi Marla-

See info below from Tim Havey with Pebble. The helicopter company will take credit cards, but add on a 3% fee.
Patty

From: Tim Havey [mailto:timhavey@pebblepartnership.com]
Sent: Monday, June 25, 2018 5:50 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: EPA Tour

Patty:

Flight details for the July trip below. I also checked with our helicopter vendor (Soloy). They do accept credit cards, but since they take so few they add on the 3% fee to your total cost. Happy to do it either way.

Thanks,
Tim

From: Chasity Anelon
Sent: Thursday, June 21, 2018 3:13 PM
To: Tim Havey <timhavey@pebblepartnership.com>; Site Travel <sitetravel@pebblepartnership.com>
Subject: RE: EPA Tour

Hi Tim

7.31.18 ANC to KOK Iliamna Air Departing @ 8:00AM Checking in @ 7:00AM
7.31.18 ILI to ANC Iliamna Air Departing @ 4:30PM Checking in @ 4:00PM

Thank you let me know if you have any questions.

Chas

From: Tim Havey
Sent: Thursday, June 21, 2018 10:25 AM
To: Site Travel <sitetravel@pebblepartnership.com>
Subject: EPA Tour

Chas:

Can you reserve 5 seats on July 31 for a tour with EPA? Will need to be on the earliest flight out and latest one returning. Also, can you check on the possibility of flying in to Kokhanok in the morning instead of Iliamna? We may try to start the tour there. Will also need an AStar for the full day. Will get you the SSRF shortly.

Thanks,

Tim Havey

Director—Environment and Permitting



3201 C Street, Suite 505

Anchorage, AK 99515

D: 907.339.2626 **C:** 907.230.5056

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/29/2018 8:42:06 PM
To: Nogi, Jill [nogi.jill@epa.gov]
CC: Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)
Attachments: Project Forecast Report 25 May 2018_pm_ACP.docx; Project Forecast Report 25 May 2018_pm_ACP_clean.docx

Hi Jill-

Here is an updated/revised Pebble report from Ashley and I, both clean and track changes versions.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Please let me know if you have questions.

Patty

From: Nogi, Jill
Sent: Tuesday, May 29, 2018 6:37 AM
To: Curtis, Jennifer <Curtis.Jennifer@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Jennifer and Patty –

More information related to HQ quick turnaround request for you. I wanted to have Candi clarify what needs to be on the report by 9am Pacific/8am AK time tomorrow to meet the deadline. I'm teleworking today so if you want to talk through the request this morning, please feel free to call my work cell at 206-316-0219. We will want to run the Pebble update through Ashley today too. Thanks so much for your help with this! If you are both able to send your edits/additional information to me before you leave the office today, I'll compile and send out to Candi tomorrow morning.

Hope you had a great weekend! Jill

From: Schaedle, Candi
Sent: Friday, May 25, 2018 11:15 AM
To: Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Rob did mention that he wanted Pebble listed since the AA is aware of this project.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

From: Nogi, Jill

Sent: Friday, May 25, 2018 1:40 PM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi, a few more questions for you. Thank you! I want to make sure whether OFA/OP is mostly interested in the projects for which we anticipate the DEIS to be released (and is that in the next 2 weeks as stated at the top of the report?). The DEIS for Pebble is anticipated this fall on the report that you shared, so not in the next 2 weeks – should it be on here or on a later report?

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for working with us on this! By the way, a lot of people aren't in today, so there's really only the one day next Tuesday to work on this and get it back to you. I think it will be super helpful to understand what makes the cut for being reported on this forecast report, and how often you will be asking the Regions to update it. Is it once a month, bi-monthly, more often – so that if we know things are happening later in the summer in some cases, would you want those reported now as well?

Jill

From: Schaedle, Candi

Sent: Friday, May 25, 2018 10:32 AM

To: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

I hope this helps!

From: Timmermann, Timothy

Sent: Friday, May 25, 2018 12:58 PM

To: Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for fielding all the questions.

tt

Timothy L. Timmermann, Associate Director
Office of Environmental Review
EPA New England-Region 1
5 Post Office Square, Suite 100
Mail Code OEP 06-3
Boston, MA 02109-3912

Email: timmermann.timothy@epa.gov
Telephone: 617-918-1025
E-Fax: 617-918-0025

From: Rudnick, Barbara

Sent: Friday, May 25, 2018 12:39 PM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Candi,

Thanks for the clarification on the request. As with R9's request for extra folks to be included, R3 would appreciate if Jeff Lapp and I were on the contact list.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Sincerely,
Barbara

From: Schaedle, Candi

Sent: Friday, May 25, 2018 11:38 AM

To: Goforth, Kathleen <Goforth.Kathleen@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Great questions – I've provided responses that I hope help and provide clarity.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

I will include Connell and Nicole on future emails – thanks for forward the email to them!

From: Goforth, Kathleen

Sent: Friday, May 25, 2018 10:46 AM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>

Subject: Re: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi -

Thanks for the template. I have a few questions:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Please include Connell Dunning and Nicole Moutoux on any messages requesting Regional action, especially when fast turnaround is required. That will help us ensure that nothing falls through the cracks if I am out of the office. I've cc'd them on this message.

Thanks -
-Kathy

Sent from my iPhone

On May 25, 2018, at 7:12 AM, Schaedle, Candi <Schaedle.Candi@epa.gov> wrote:

All –

We have been tasked to identify projects in the Regions that currently are or potentially will be receiving high-level political HQ review, visibility, and/or coordination. We've provided a template that you can use to report any projects – see below and the draft Project Forecast Report that is attached to this email. In the attachment, some projects have been filled in (R10/USACE/Pebble Mine/DEIS and

Non-Responsive:, but please feel free to edit this information.

- **Region/Lead Agency/Project Name/EIS type (Draft, Final, Supplement)/Anticipated (insert date)**
 - **Background:**
 - **EPA Involvement:**
 - **Status:**

The sooner that you can provide us this information, the better. The latest that we can receive this info is by **NOON on Wednesday, May 30th (eastern time)**. If you have nothing to report, please let us know so that we can track this.

We really appreciate your assistance on this and apologize for the quick turnaround.

If you have any questions, please let me know.

Many, many thanks again for your help and I hope you have a wonderful weekend!

Candi Schaedle
NEPA Compliance Division
202-564-6121

<Project Forecast Report 25 May 2018.docx>

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/17/2018 3:05:08 PM
To: Hagerthey, Scot [Hagerthey.Scot@epa.gov]
Subject: RE: bristol bay follow up

Hi Scot
Please call 206 553-6113

Thanks-Patty

From: Hagerthey, Scot
Sent: Tuesday, April 17, 2018 5:12 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: bristol bay follow up

Hi Patty,

I set up a time for us to talk tomorrow (Wed). Could you send me the phone number you would like me to call?

Cheers,

Scot

From: McGrath, Patricia
Sent: Monday, April 16, 2018 8:04 PM
To: Hagerthey, Scot <Hagerthey.Scot@epa.gov>
Subject: RE: bristol bay follow up

Hi Scot-
I am open on Tuesday before 10 am (pacific time) and have more open times the rest of the week.
Look forward to talking to you about this.
Thanks-
Patty

From: Hagerthey, Scot
Sent: Friday, April 13, 2018 1:19 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: bristol bay follow up

Hi Patty,

Personal Matters / Ex. 6

Following up on the call we had on the 5th. I reached out to folks here about ORD's help on the Pebble EIS. It's doable. Can we have a quick chat when you are back in the office?

Cheers,

Scot

Scot Hagerthey, Ph.D.
Deputy Director, Washington Division
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue (8623R), NW, Washington, DC 20460
Office (202) 564-5553 - Cell (571) 302-6703

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/6/2018 7:27:25 PM
To: Werntz, James [Werntz.James@epa.gov]; Susan K. Detwiler (detwiler.susan@epa.gov) [detwiler.susan@epa.gov]; Stern, Allyn [Stern.Alyn@epa.gov]; Bilbrey, Sheryl [bilbrey.sheryl@epa.gov]; Opalski, Dan [Opalski.Dan@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]
BCC: **Conference Line/Code / Ex. 6** [R10-Sea-Room-11Camas-ORC-VTC/R10-Rooms-Restricted [R10Sea-Room-11Camas-ORC@epa.gov]
Subject: ET Mining Subgroup meeting
Attachments: ET_miningsubgroup_summary_201808.docx
Location: R10 **Conference Line/Code / Ex. 6** [OO-Meet-Me-Ln/R10-IOO-Eqpt; R10Sea-Room-11Camas-ORC-VTC/R10-Rooms-Restricted
Start: 8/7/2018 4:00:00 PM
End: 8/7/2018 5:00:00 PM
Show Time As: Tentative

Conference Line/Code / Ex. 6

Meeting of ET Mining Subgroup
Agenda to be sent out before the meeting

Dear ET Mining Subgroup-

Attached is the mining update for August. Areas highlighted in the update are those that I propose discussing during our meeting tomorrow, which include:

Non-Responsive:

- Project-specific updates – Pebble, \$

**Non-Responsive:
Unrelated to Bristol
Bay/Pebble Mine**

**Non-Responsive: Unrelated to
Bristol Bay/Pebble Mine**

Patty

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/27/2018 11:42:00 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Muluken Muche (muche.muluken@epa.gov) [muche.muluken@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Barbara Butler (Butler.Barbara@epa.gov) [Butler.Barbara@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]
CC: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: Pebble EIS water management plans and modeling

As discussed during our meeting this morning, below is a link to the Pebble Project EIS website where you will find the water management plans and modeling reports. Most of this will be found in responses to RFI 19 (including 19a, 19b, 19c, and 19d) and also RFI 21. You can filter the list of documents by searching on "19" or you can look through the entire list of information requests. The reference documents are available on the website as well.

<https://pebbleprojecteis.com/documents/library>

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/28/2018 5:10:46 PM
To: Susan K. Detwiler (detwiler.susan@epa.gov) [detwiler.susan@epa.gov]; Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]
Subject: Canceled: quick chat regarding pebble site visit
Location: meet in Jills office and will call Sue
Start: 8/28/2018 7:00:00 PM
End: 8/28/2018 7:15:00 PM
Show Time As: Free
Importance: High

Cancelling since we already discussed

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/17/2018 12:59:31 AM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; David Allnutt (Allnutt.David@epa.gov) [Allnutt.David@epa.gov]
Subject: US Army Corps Pebble EIS website

All-

Just FYI that the Corps continues to add documents to the Pebble EIS website.
For example, public scoping comments are being loaded (so far there are 487 comments).

<https://pebbleprojecteis.com/publiccomments/list>

The Project Library section includes the Pebble EBD, preliminary JD, the BB Assessment and other information.

<https://pebbleprojecteis.com/documents/library>

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/11/2018 5:46:45 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]
Subject: RE: Bristol Bay Check-in

Hi Eric-

I am at Pebble site on Tuesday of that week.

I could do a meeting on Wednesday morning (aug 1) from the Anchorage office – open from 9 – 11 Pacific time on that day.

Patty

From: Peterson, Erik
Sent: Wednesday, July 11, 2018 10:25 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: Bristol Bay Check-in

Patty,

Linda has requested a change for the July 31 check-in. I looked at your calendar and you are booked all day Mon-Wed. Is there a time(s) that work for you on that Tuesday or Wednesday?

<p><< OLE Object: Picture (Device Independent Bitmap) >></p>	<p>Erik Peterson, NEPA Reviewer U.S. EPA, Region 10 1200 Sixth Avenue, Suite 155 Seattle, Washington 98101-3140 (206) 553-6382</p>
--	---

-----Original Appointment-----

From: Anderson-Carnahan, Linda
Sent: Wednesday, July 11, 2018 10:15 AM
To: Peterson, Erik
Subject: Declined: Bristol Bay Check-in
When: Tuesday, July 31, 2018 9:00 AM-10:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

I have a meeting with Lee Forsgren at this time; can we reschedule?

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 10:04:59 PM
To: Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
Subject: FW: Pebble NEPA/permitting team - documents for awareness review
Attachments: 03_20_2018_Pebble_Technical_Note_on_Project_Options_Screening_Criteria.pdf;
05_11_2018_Pebble_Project_Updates_to_Proposed_Project.pdf

From: McGrath, Patricia

Sent: Friday, May 18, 2018 12:28 PM

To: Molly Vaughan (Vaughan.Molly@epa.gov) <Vaughan.Molly@epa.gov>; Matthew LaCroix (LaCroix.Matthew@epa.gov) <LaCroix.Matthew@epa.gov>; Christopher Meade (Meade.Chris@epa.gov) <Meade.Chris@epa.gov>; Cindi Godsey (Godsey.Cindi@epa.gov) <Godsey.Cindi@epa.gov>; Karl Pepple (Pepple.Karl@epa.gov) <Pepple.Karl@epa.gov>; Jay McAlpine (McAlpine.Jay@epa.gov) <McAlpine.Jay@epa.gov>; Ashley Palomaki (Palomaki.Ashley@epa.gov) <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Palmer Hough (Hough.Palmer@epa.gov) <Hough.Palmer@epa.gov>; Kate Schofield (Schofield.Kate@epa.gov) <Schofield.Kate@epa.gov>; Timothy Maley (maley.timothy@epa.gov) <maley.timothy@epa.gov>; Chris Eckley (Eckley.Chris@epa.gov) <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>; Mark Douglas (douglas.mark@epa.gov) <douglas.mark@epa.gov>

Subject: Pebble NEPA/permitting team - documents for awareness review

Pebble NEPA/permitting team –

The Corps has started sending us, and other cooperating agencies, information generated by PLP and the third-party EIS contractor (AECOM). This information includes AECOM's requests (to PLP) for additional information (RFAs) and PLP's responses. The Corps has begun adding these RFAs to the public EIS website. Molly and I will add this information to our SharePoint site as well.

The Corps has submitted this information to us and requested an awareness review, but is not requesting written comments.

For now, I want to bring your attention to two documents, attached:

1 – PLP Updates to the Proposed Project - PLP has made some updates to the project description. Please review this document so that you are aware of the changes.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

2 – PLP Technical Note on Project Options and Screening Criteria – This document summarizes screening criteria and options used by PLP to develop its current project description. I expect the Corps will consider this information during alternatives development. Please review this document for awareness.

We will discuss these documents during our next team meeting on May 24, and I can provide more context. In the meantime, please let me know if you have questions.

Thanks-
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202

Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/2/2018 4:18:58 PM
To: Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Susan K. Detwiler (detwiler.susan@epa.gov) [detwiler.susan@epa.gov]
Subject: FW: Field Logistics

Hi Jennifer and Sue -

Attorney Client Privilege/Deliberative Process Privilege / Ex. 5

I will give you both a call back to see if you need more information.
Patty

-----Original Message-----

From: Palomaki, Ashley
Sent: Wednesday, June 13, 2018 6:41 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Reif, Kathy B. <reif.kathy@epa.gov>
Subject: RE: Field Logistics

Hi Patty -

Attorney Client Privilege/Deliberative Process Privilege / Ex. 5

Thanks,

Ashley

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

-----Original Message-----

From: Palomaki, Ashley
Sent: Wednesday, June 13, 2018 7:11 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Reif, Kathy B. <reif.kathy@epa.gov>
Subject: RE: Field Logistics

Hi Patty -

Attorney Client Privilege/Deliberative Process Privilege / Ex. 5

Thanks,

Ashley

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

-----Original Message-----

From: McGrath, Patricia
Sent: Tuesday, June 12, 2018 1:28 PM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wright, Garth <wright.garth@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>
Subject: FW: Field Logistics
Importance: High

Hi Ashley and Garth -

I traded voice messages with Ashley about this issue, but realized that I neglected to forward you this email string.

We are planning two trips to the Pebble project site this summer.

The first is a wetlands delineation field verification trip with the Corps on July 9 - 11. Mark Douglas would participate in that trip.

The second, yet to be scheduled, is a project overview site visit (1 day on-site) attend by four EPA folks from our NEPA team. Both of these visits will involve helicopter time from Iliamna to and around the Pebble site. Mark's visit will involve overnights in Iliamna.

Attorney Client Privilege/Deliberative Process Privilege / Ex. 5

Please let me know as soon as possible if you have any concerns or would like to discuss.

Thanks -
Patty

-----Original Message-----

From: Smith, Marla J.

Sent: Thursday, June 7, 2018 1:18 PM

To: Douglas, Mark <douglas.mark@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>

Subject: RE: Field Logistics

Importance: High

Hi Mark,

Attorney Client Privilege/Deliberative Process Privilege / Ex. 5

Thanks,
Marla

-----Original Message-----

From: Douglas, Mark

Sent: Thursday, June 07, 2018 12:12 PM

To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Smith, Marla J. <Smith.MarlaJ@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>

Subject: FW: Field Logistics

The form Pebble wants me to sign and get back.

Mark Douglas
Aquatic Resources Unit
Office of Environmental Review & Assessment

U.S. Environmental Protection Agency
Alaska Operations Office
222 W. 7th Avenue, Box 19
Anchorage, AK 99513-7588
Phone (907) 271-1217

-----Original Message-----

From: Tim Havey [mailto:timhavey@pebblepartnership.com]

Sent: Thursday, June 07, 2018 12:06 PM

To: Douglas, Mark <douglas.mark@epa.gov>

Subject: FW: Field Logistics

Mark:

Please review the attached and send back to me. Basically I need your cell phone number and for you to add any food or dietary requirements. Below is the email I sent to Estrella yesterday with some additional info. Call if you have any questions.

Regards,

Tim Havey
Director-Environment and Permitting

3201 C Street, Suite 505
Anchorage, AK 99515
D: 907.339.2626 C: 907.230.5056

-----Original Message-----

From: Tim Havey
Sent: Wednesday, June 6, 2018 10:20 AM
To: 'Campellone, Estrella F CIV USARMY CEPOA (US)' <Estrella.F.Campellone@usace.army.mil>
Cc: McCoy, Shane M CIV USARMY CEPOA (US) <Shane.M.Mccoy@usace.army.mil>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>
Subject: RE: Field Logistics

Estrella:

I have attached the site services request form that our operations staff need to finalize your arrangements. I went ahead and filled out most. Please review and add your phone number (cell phone preferably) and whether anyone has any food allergies or special needs. You can send the completed form back to me and I will submit it to site. I have requested individual rooms for each of you.

Meals are cafeteria style. For your arrival day, it will be easiest if you can bring your lunch with you. For the remaining days you will make a bag lunch at breakfast to bring with you to the field.

We will provide in-town transportation to/from the airport each day in one of our vehicles. Work days are 12 hours, with 10 in the field and one hour on either end for muster, briefings, etc. Crews normally do not return to base during the work day unless weather limits flight operations. Low clouds and/or high winds are typically the only conditions that will restrict helicopter travel.

No firearms are permitted at any Pebble facility or in helicopters. Trained bear guards will be provided with each crew. Guards are in constant radio contact with site operations. Alcohol is prohibited at any Pebble facility.

Safety training and site orientation will take place as soon as you arrive. That should take about an hour, followed by a 20-minute helicopter safety briefing. We provide basic PPE (safety goggles, high visibility vest, hearing protection). You are welcome to bring your own as long as the operations manager approves. Field gear requirements are what you would normally bring.

Accommodations are 150/person/day. We will invoice you after your trip. Our site staff does not have the ability to accept payments. Helicopter time will likewise be invoiced to you based on the per seat cost and number of flight hours logged. Cost may vary depending on which helicopter is available.

Please let me know if you have any other questions.

Thanks,
Tim

-----Original Message-----

From: Campellone, Estrella F CIV USARMY CEPOA (US) [mailto:Estrella.F.Campellone@usace.army.mil]
Sent: Wednesday, June 6, 2018 7:31 AM
To: Tim Havey <timhavey@pebblepartnership.com>
Cc: McCoy, Shane M CIV USARMY CEPOA (US) <Shane.M.Mccoy@usace.army.mil>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>
Subject: Field Logistics

Hi Tim,

I think I left a voice mail and I am wondering if you received it.

In any case, please let me review with you our itinerary:
Arrival time @ Iliamna: July 9 (Monday) at 0900.
Departure time: July 11 @ 4:30 p.m.

Corps will disburse your company directly for hotel/helicopter costs.
Hotel:
Check in July 9th
Check out July 11th

Meals:
July 9th (lunch brown bag - Diner)
July 10th (all meals)
July 11th (breakfast & lunch).

Helicopter: as per time-usage logs (coordination field work with HDR at this point).

Truck Rental: We will take your offer of picking us up at the airport on Monday July 9th.

You mentioned we will have safety training upon arrival on July 9th before heading to the field. Please let us know if there is anything else we need to be aware of.

Thank you very much for your help,

Estrella

-----Original Message-----

From: McCoy, Shane M CIV USARMY CEPOA (US)

Sent: Monday, June 4, 2018 10:51 AM

To: Campellone, Estrella F CIV USARMY CEPOA (US) <Estrella.F.Campellone@usace.army.mil>

Cc: Tim Havey <timhavey@pebblepartnership.com>

Subject: contact info

Estrella,

Here is Tim's email.

Shane

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/13/2018 7:37:12 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]
CC: Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]
Subject: RE: pebble site visit

And please hold these dates on your calendar until the actual date is confirmed.

Thanks-Patty

From: McGrath, Patricia
Sent: Wednesday, June 13, 2018 12:33 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) <Vaughan.Molly@epa.gov>; Chris Eckley (Eckley.Chris@epa.gov) <Eckley.Chris@epa.gov>; Timothy Maley (maley.timothy@epa.gov) <maley.timothy@epa.gov>
Cc: Jill Nogi (nogi.jill@epa.gov) <nogi.jill@epa.gov>
Subject: pebble site visit

Hi All-

Thanks for your quick responses related to the request for available dates for a site visit.

Based on the responses, it looks like the only dates that work are:

7/30 (this would mean Sunday travel to Anchorage for Seattle folks)

7/31

8/20 (this would entail Sunday travel to Anchorage for Seattle folks)

8/21

Chris, Tim and Jill - Please confirm that Sunday afternoon/evening travel is acceptable to you in case the 7/30 and 8/20 dates, otherwise I will just forward the two Tuesday dates (7/31 and 8/21) as options.

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/25/2018 8:51:57 PM
To: Kelly, Christine M [kelly.christinem@epa.gov]; Smith, Marla J. [Smith.MarlaJ@epa.gov]
CC: Fordham, Tami [Fordham.Tami@epa.gov]
Subject: RE: Pebble site visit

Yes. The \$500 includes both legs. The helicopter time is estimated at \$1200 although the exact amount cannot be determined until the day of since it is dependent upon actual time in flight and standby. Iliamna Air Taxi will accept \$500 on gov credit card. Regarding the helicopter, we will be involved by Pebble and will pay them back via check.
Patty

From: Kelly, Christine M
Sent: Monday, June 25, 2018 1:48 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Smith, Marla J. <Smith.MarlaJ@epa.gov>
Cc: Fordham, Tami <Fordham.Tami@epa.gov>
Subject: RE: Pebble site visit

Thanks Patty,

So, the Iliamna airfare is 500 for both the leg from Anchorage to Kokhanok, and from Iliamna to Anchorage. Do we know how much the helicopter ride is, - or is that included in the \$500.? Also, - Do they accept gov. credit cards that the travelers can pay with that day?

Christine Kelly
EPA- Region 10
206-553-2770

From: McGrath, Patricia
Sent: Monday, June 25, 2018 1:14 PM
To: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Fordham, Tami <Fordham.Tami@epa.gov>; Kelly, Christine M <kelly.christinem@epa.gov>
Subject: RE: Pebble site visit

All-

I talked to Pebble. As is being done for Mark Douglas' trip, Pebble has reserved the flights out of Anchorage and has provided our names to Ilimana Air taxi.
Therefore, our seats are already reserved. We will pay Iliamna Air taxi on the day of the flight.

For the site visit we will fly from Anchorage to Kokhanok and board the helicopter there. From Kokhanok we will travel by helicopter over the ports and road route to the mine site and tour the mine site. At the end of the tour we will depart from Iliamna back to Anchorage.

The flight costs for Anchorage-Kokhanok and Iliamna-Anchorage is \$500.

Your TAs should note that the 7/31 flights are already reserved and will be paid for on day of flight (airplane) or via invoice afterwards based on exact flight time (helicopter)

Patty

From: Smith, Marla J.
Sent: Monday, June 25, 2018 12:30 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Fordham, Tami <Fordham.Tami@epa.gov>; Kelly, Christine M <kelly.christinem@epa.gov>
Subject: RE: Pebble site visit
Importance: High

Hi All,

Before you make your travel arrangements, Patty McGrath is going to check with Pebble on the Iliamna Air piece to see if they have already held seats for you.
Patty will let you know asap.

Thanks,
Marla

From: McGrath, Patricia
Sent: Thursday, June 21, 2018 11:54 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>
Subject: Pebble site visit

Molly, Tim, and Chris –

Our Pebble site visit is confirmed for July 31. Please submit your TAs ASAP. ARE funding is available for this trip but needs to be obligated.

Following is information for the TAs.

Seattle travelers –
7/30 – fly to Anchorage and stay overnight

All travelers –
7/31:
8 am flight from Anchorage to Iliamna via Iliamna Air Taxi (arrive Iliamna at 9 am)
9:00 – 3:30 – Pebble site visit (mine site, road, ports) - this will entail helicopter time. The cost estimate for the helicopter portion is \$1200 per person (note PLP will invoice us for the exact amount)
4:30 – flight from Iliamna back to Anchorage (should arrive in Anchorage at 5:30)

Seattle travelers - you can return to Seattle on 7/31 as there are late flights leaving Anchorage – or overnight and leave Anchorage on 8/1. I will likely leave the morning of 8/1.

Please let Molly and I know if you have questions.

I am also ccing Marla who has been helpful with previous travel to Pebble.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 9:56:34 PM
To: Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]

Subject: FW: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 11/22/2018 9:00:00 PM
End: 11/22/2018 10:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

-----Original Appointment-----

From: McGrath, Patricia
Sent: Thursday, February 15, 2018 10:54 AM
To: McGrath, Patricia; Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov); Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov); Kate Schofield (Schofield.Kate@epa.gov); Mary Thiesing (Thiesing.Mary@epa.gov)
Cc: Douglas, Mark; Kate Schofield (Schofield.Kate@epa.gov)
Subject: Pebble permit oversight/NEPA team
When: Thursday, November 22, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 9:56:32 PM
To: Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]

Subject: FW: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 2/22/2018 9:00:00 PM
End: 2/22/2018 10:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

-----Original Appointment-----

From: McGrath, Patricia
Sent: Thursday, February 15, 2018 10:54 AM
To: McGrath, Patricia; Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov); Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov); Kate Schofield (Schofield.Kate@epa.gov)
Cc: Douglas, Mark; Kate Schofield (Schofield.Kate@epa.gov)
Subject: Pebble permit oversight/NEPA team
When: Occurs the fourth Thursday of every 1 month(s) effective 2/22/2018 until 11/22/2018 from 1:00 PM to 2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/23/2018 10:52:14 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]
Subject: FW: no response requested
Attachments: 60-Day Pebble Priority Schedule 8.6.2018.xlsx

Pebble EIS reviewers-

As discussed during today's team meeting, attached is a 60-day schedule that shows upcoming EIS development activities and areas where cooperating agencies (CAs) will be involved.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Patty

-----Original Message-----

From: POA Special Projects [mailto:poaspecialprojects@usace.army.mil]
Sent: Wednesday, August 8, 2018 4:40 PM
To: bobl@jadenorth.com; Brooke Merrell <brooke_merrell@nps.gov>; Curyung Tribal <courtenay@curyungtribe.com>; 'cvaughn@achp.gov' <cvaughn@achp.gov>; Daugherty, Linda (PHMSA) <linda.daugherty@dot.gov>; David Seris (David.M.Seris@uscg.mil) <David.M.Seris@uscg.mil>; Douglass Cooper <douglass_cooper@fws.gov>; Hassell, David (PHMSA) <david.hassell@dot.gov>; Joan Kluwe <johan_kluwe@nps.gov>; John Eddins <jeddins@achp.gov>; Kevin Pendegast <kevin.pendegast@bsee.gov>; 'mary_colligan@fws.gov' <mary_colligan@fws.gov>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>; McCall, John <john.mccall@bsee.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Moselle, Kyle W (DNR) <kyle.moselle@alaska.gov>; manager@lakeandpen.com; POA Special Projects <poaspecialprojects@usace.army.mil>; nondaltontribe@yahoo.com; Wesley Furlong <wfurlong@narf.org>
Cc: POA Special Projects <poaspecialprojects@usace.army.mil>
Subject: no response requested

All,

Attached is a 60-day priority schedule highlighting major milestones. There is a column for "who's involved" and more detail on when activities take place or are due.

VR

Shane McCoy
Program Manager

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/10/2018 3:44:24 PM
To: Lynne Hood (Hood.Lynne@epa.gov) [Hood.Lynne@epa.gov]; Erik Peterson (Peterson.Erik@epa.gov) [Peterson.Erik@epa.gov]
Subject: ET mining subgroup updates

Hi Lynne and Erik –

I am preparing my regular update for the mining ET subgroup. Could you please revise the entries in the table below for

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine If so, please add to the table.

Please send me updates by noon tomorrow.

Call if you have questions.

Thanks - Patty

Mine Project	Programs	Update
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine		
Pebble (AK)	NEPA (CA) 404 NPDES (o/s) Air (o/s)	<ul style="list-style-type: none">- Proposal to withdraw 404(c) determinations was suspended in February 2018- EIS scoping period ends June 29; scoping letter under development
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine		

Mine Project	Programs	Update
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine		

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 8:34:52 PM
To: Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]
Subject: FW: ORD support for Pebble EIS
Attachments: Muluken Muche__Resume.docx

Per my voice mail message

From: Duncan, Bruce
Sent: Thursday, May 17, 2018 12:23 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Patty, for your consideration.

Bruce

From: Burden, Susan
Sent: Thursday, May 17, 2018 12:21 PM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Riddick, Lee <Riddick.Lee@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

We've identified a federal post doc that has the expertise and availability to support R10 as a hydrologist. His name is Muluken Muche, and he is a post doc in NERL with two years left on his term. Attached is his resume. I recommend that Patty McGrath reach out to Muluken and arrange a phone call to assess whether his expertise and time constraints will fit within their needs. If R10 decides that Muluken is not the right fit, we can explore other options. Please let me know how it goes.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Wednesday, May 09, 2018 6:03 PM
To: Blank, Valerie <Blank.Valerie@epa.gov>

Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thank you!!!

From: Blank, Valerie

Sent: Wednesday, May 09, 2018 5:45 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>

Subject: FW: ORD support for Pebble EIS

Hi Bruce,

We are reaching out across ORD through an additional level to look into this question and will get back to you soon.

Thanks, Valerie

Valerie Blank

Regional Science Program Coordinator

Office of Science Policy

EPA Office of Research and Development

202-564-1720

From: McGrath, Patricia

Sent: Friday, May 04, 2018 12:42 PM

To: Burden, Susan <Burden.Susan@epa.gov>; Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Given Susan's message below, will ORD be able to supply a hydrologist with modeling expertise as requested?

Thanks –

Patty

From: Burden, Susan

Sent: Friday, May 4, 2018 9:38 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Subject: RE: ORD support for Pebble EIS

Hi Bruce,

You're very welcome. Just to let you know, ORD did look into whether Steve Kraemer was available for this effort. Unfortunately, he is not available at this time.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Friday, May 04, 2018 11:55 AM
To: Burden, Susan <Burden.Susan@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>
Subject: RE: ORD support for Pebble EIS

Thank you Susan;

We very much appreciate your timely response and inreach within ORD on our high priority regional request. I have copied Patty McGrath (Lead), David Allnutt (Office Director) and Jill Nogi (Unit Manager) in our Office of Environmental Review and Assessment.

Patty, Jill, and David;

- Paul Ringold would like to (see attachment):
Develop fairly formal quarterly progress meetings or discussions to make sure that the work requested and performed is on track and continues to function within the boundaries of our original agreements.

Discuss the possibility of regional funding to assist ORD technical experts in keeping engaged with the EIS process. This may be particularly important as the experts will be spending only a small fraction of their time on this effort. Having someone to stay engaged with the EIS and with the science requirements and issues involved on their behalf could facilitate the efficient and effective use of their time and effort.
- Although no hydrologist has been identified, Steve Kraemer (NERL) has been suggested as a possible option.
- Additionally, Barb Butler, an author of the Bristol Bay assessment, is willing to assist in areas not mentioned in the original request that might come up in the future, including reviews of water quality data (groundwater or surface water), mining materials testing data (e.g., kinetic and static leaching tests), sampling/analysis design, and mitigation/treatment options for control of water quality (e.g., management of wastes to minimize leaching/seepage issues, fate and transport of constituents in water if mine drainage is formed, and treatment of drainage).
- ORD indicated they do not have travel funds for their staff for this effort.

Let me know if I can be of further help.

Bruce

Bruce Duncan

Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10

1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140

206.553.0218 | duncan.bruce@epa.gov

From: Burden, Susan

Sent: Friday, May 04, 2018 4:26 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>

Subject: FW: ORD support for Pebble EIS

Importance: High

Hi Bruce,

Valerie shared this request with me last week, and I've worked with ORD's Program Support Coordinators to identify ORD staff available to work with R10 on the Pebble Mine EIS. As you know, R10 requested specific people and expertise for the project. I'm happy to report that Joe Ebersole, Michael Kravitz, and Kate Schofield are all available for this effort. Unfortunately, we were not able to identify anyone with the requested hydrology expertise. The hydrologists who worked on the Bristol Bay assessment are no longer with ORD (Jim Wiggington retired and Jason Todd is now with OCSPP).

Additionally, Barb Butler, an author of the Bristol Bay assessment, is willing to assist in other areas (aka, areas not mentioned in the original request) that might come up in the future with respect to this mine site, including reviews of water quality data (groundwater or surface water), mining materials testing data (e.g., kinetic and static leaching tests), sampling/analysis design, and mitigation/treatment options for control of water quality (e.g., management of wastes to minimize leaching/seepage issues, fate and transport of constituents in water if mine drainage is formed, and treatment of drainage).

Finally, Paul Ringold, Joe Ebersole's branch chief, has asked for a follow up conversation with Patty McGrath (or R10's lead on the Pebble Mine EIS, if it is not Patty) to discuss Joe's participation. Paul's specific requests are in the attached email. Also, please note that the attached email chain indicates that Joe is available for up to 10% of his time for two years.

I'm assuming that you'll pass this information onto Patty. Please let me know if you need anything else from me.

Thanks,

Susan

Susan Burden, Ph.D.

Acting Chief, Program Support Staff

Office of Science Policy

Office of Research and Development

US Environmental Protection Agency

Phone: (202) 564-6308

Email: burden.susan@epa.gov

From: Blank, Valerie
Sent: Thursday, April 26, 2018 12:12 PM
To: Burden, Susan <Burden.Susan@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS
Importance: High

fyi

From: Duncan, Bruce
Sent: Tuesday, April 24, 2018 2:41 PM
To: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>; Ebersole, Joe <Ebersole.Joe@epa.gov>
Subject: FW: ORD support for Pebble EIS
Importance: High

Dear Maggie and Val,

Please find attached the Region 10 technical support request form for assistance. This is a high priority for R10 and we look forward to support starting as soon as possible. Our Regional Mining Advisor has been discussing the specifics with ORD Scientists already so this will not come as a surprise. Let me know of any next steps and how I can assist with the support request.

Bruce

Bruce Duncan
Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10
1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140
206.553.0218 | duncan.bruce@epa.gov

From: McGrath, Patricia
Sent: Tuesday, April 24, 2018 8:33 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Attached is the completed form. Please let me know if you need more information.

We would like some immediate assistance from Joe Ebersole to help us with scoping comments (due before the end of June) if that can be arranged.

Thanks-

Patty

From: Duncan, Bruce
Sent: Monday, April 23, 2018 4:21 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thanks Patti,

Here is a link to the form that OSP uses (from the R10 Science Steering Council SharePoint)

SUBMIT A TECHNICAL SUPPORT REQUEST:

Request Form - this form (Click [HERE](#)) is submitted to OSP who will help find the ORD support if available.

The form is pretty simple – if you need help I can arrange the information you provided into the desired format:

ORD Regional Decision Support Request	
Initiating Region and Division Region 10	Date
Contact Information Name: Phone Number: Email:	
Project Title	
Type of Scientific Support Requested <input type="checkbox"/> Consultative advice <input type="checkbox"/> Workgroup/seminar/committee participation <input type="checkbox"/> Document review Other (please specify)	
Description of Science Need – One-time request <u>Background & Problem.</u> <u>Assistance Needed/Research Steps</u>	
Project Milestones and Due Date	
Estimated number of hours required to complete request <input type="checkbox"/> 1 – 4 hours <input type="checkbox"/> 4 – 8 hours <input type="checkbox"/> 8 – 16 hours <input type="checkbox"/> >16 hours If >16, please provide an estimate of the hours needed	
Type of expertise needed (e.g., human health risk assessment, aquatic toxicology)	
Have you worked with ORD scientists on this project previously? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please list the names of the scientists.	

Regional Priority (To be completed by Regional Science Liaison – Bruce Duncan)

☐ High

☐ Medium

☐ Low

From: McGrath, Patricia

Sent: Monday, April 23, 2018 1:46 PM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>;

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: ORD support for Pebble EIS

Hello Bruce-

Last week I spoke with Scot Hagerthey regarding ORD support for our cooperating agency participation in the Pebble EIS. He acknowledged that ORD folks are interested and available and requested that I send the request for ORD support through you. Can you let me know how you like to see these requests. Is an email from me sufficient? Following is the support that is needed.

Request for ORD Support for Pebble Environmental Impact Statement

The US Army Corps of Engineers is the lead agency in developing an EIS for the Pebble Mine Project in Alaska. The Corps invited EPA to be a cooperating agency to assist the Corps in developing sections of the EIS. In addition, EPA is responsible for reviewing the Draft EIS and the public notice for the CWA 404 permit application. EPA Region 10 has put together a team to accomplish these responsibilities. There are several areas where EPA is requesting support from ORD to bolster EPA's review team and also benefit from ORD's past work in the Bristol Bay watershed where the mine project is located. From 2011 to 2014, EPA Region 10 and EPA's Office of Water worked with ORD in developing the Bristol Bay Watershed Assessment. ORD's experience and understanding of the watershed and potential impacts that could occur during mining will provide needed support to EPA Region 10's NEPA/permit review team in several key areas.

The key areas where we are requesting support are identified below.

Specialty	Summary of Assistance Requested	ORD staff requested
Fisheries	Provide advice to EPA's team on fisheries issues Provide input into EIS scoping letter Review baseline data Recommend aquatic resources impact assessment methodologies Participate in fisheries technical working group Review and provide comments on fisheries sections of the EIS	Joe Ebersole
Hydrology	Provide advice to EPA's team on hydrology issues Review groundwater and surface water hydrology baseline data Recommend impact assessment methodologies and modelling approaches and review results Participate in hydrology technical working group Review and provide comments on hydrology sections of the EIS	The ORD hydrologist that assisted with the Bristol Bay watershed assessment has retired. We do need support in this area and request that ORD identify individuals that can assist.
Transportation	Provide advice to EPA's team on transportation issues Review and provide comments on transportation sections of the EIS	Michael Kravitz

Coordination	Participate in monthly Pebble NEPA/permit team to assist with coordinating ORD support Potentially review sections of the EIS	Kate Schofield
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In terms of timing, we are requesting ORDs immediate assistance to help with baseline data review and development of EPA's EIS scoping letter. We expect that assistance will be needed throughout the EIS process, with times of intense activity when documents are being reviewed and times with very little activity. The EIS process will take at least two years. There may be additional areas where we need support as the EIS process moves forward.

Please let me know if you need additional information.
Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/23/2018 10:38:46 PM
To: Susan K. Detwiler (detwiler.susan@epa.gov) [detwiler.susan@epa.gov]; Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]
Subject: quick chat regarding pebble site visit
Location: meet in Jills office and will call Sue
Start: 8/28/2018 7:00:00 PM
End: 8/28/2018 7:15:00 PM
Show Time As: Tentative

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/28/2018 7:54:09 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Canceled: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 6/28/2018 8:00:00 PM
End: 6/28/2018 9:00:00 PM
Show Time As: Free
Importance: High
Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Hi All.

Cancelling the meeting today so that we can focus on getting the scoping letter completed.

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/10/2018 3:20:30 PM
To: Werntz, James [Werntz.James@epa.gov]
Subject: telework

Hi Jim –

I am hoping to telework from home tomorrow with focus on reviewing the Pebble scoping letter. Should I schedule a time for us to talk in advance of the retreat and ET subgroup meeting?
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 8:21:31 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]
Subject: Pebble check-in
Location: AOO
Start: 6/5/2018 10:00:00 PM
End: 6/6/2018
Show Time As: Tentative

Molly and Mark –

Reserving this time to talk before the Pebble cooperating agency meeting on 6/6. I should be in the AOO office.

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/23/2018 7:41:59 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center [R10Sea-Room-14WallaWalla@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center
Start: 8/23/2018 8:00:00 PM
End: 8/23/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Updated meeting room location – 14 Walla Walla

Agenda:

- 7/31 project site visit
- Status of review of EIS sections
- Summary of 8/22 cooperating agency meeting (alternatives discussion)
- Next steps and schedule

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/13/2018 6:26:09 PM
To: Thiesing, Mary [Thiesing.Mary@epa.gov]
CC: Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]
Subject: RE: Can we talk when you are back in?

Hi Mary Anne-

I am actually back today so we can talk sooner if more convenient for you.

Patty

From: Thiesing, Mary
Sent: Friday, April 13, 2018 10:26 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>
Subject: Can we talk when you are back in?

ATTORNEY-CLIENT PRIVILEGE
PRE-DECISIONAL AND DELIBERATIVE

Patty,

It looks like you are out of the office right now; I am hoping to speak to you ASAP about an idea that I had, which I have discussed with Molly and Linda Anderson-Carnahan. Linda was going to discuss it with David and told me to go ahead with it if I didn't hear back from her.

Deliberative Process / Ex. 5

I'd like to talk if we can—I will be reachable Monday and Tuesday of next week, and I will be back in Seattle Thursday, Friday, and Monday of the following week. If you feel that this is a useful idea, would you be willing to speak to ORD about it, since I understand that you are their contact for this project?

Let me know. I will look forward to seeing you.

Mary Anne Thiesing
Regional Wetland Ecologist
(206) 553-6114
(206) 375-4772 (cell)
thiesing.mary@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/5/2018 10:13:04 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Vaughan, Molly has shared 'Pre Draft Ch3 Comments EPA 070518'

Hi Molly-
You're welcome. Can you please cc me when you send to Shane?
Thanks-
Patty

From: Vaughan, Molly
Sent: Thursday, July 5, 2018 11:15 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: Vaughan, Molly has shared 'Pre Draft Ch3 Comments EPA 070518'

Thanks so much, Patty! I took a look and all of your explanations/edits made sense to me. I will follow up with Jill, and we will give you a call if she wants to discuss to better understand any of these.
Thanks,
Molly

From: McGrath, Patricia
Sent: Thursday, July 05, 2018 10:10 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: Vaughan, Molly has shared 'Pre Draft Ch3 Comments EPA 070518'

Hi Molly-
I just finished reviewing and added some explanation and edits. I am happy to talk to Jill with you to explain the

Deliberative Process / Ex. 5

From: Vaughan, Molly [mailto:no-reply@sharepointonline.com]
Sent: Thursday, July 5, 2018 10:30 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Vaughan, Molly has shared 'Pre Draft Ch3 Comments EPA 070518'

Hi Patty - I've addressed the majority of Jill's edits on the Preliminary Ch3 sections, but there are a few where I would appreciate your input. Please take a look at the current version, linked here. I am available all day if you would like to call to discuss once you have had a chance to review.

Thanks,
Molly

Open Pre Draft Ch3 Comments EPA 070518.docx

See more related to Vaughan, Molly in Delve.



Get the SharePoint mobile app!



Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 3/30/2018 8:11:05 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; David Allnutt (Allnutt.David@epa.gov) [Allnutt.David@epa.gov]; Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]
Subject: FW: Notice of Intent to Prepare an Environmental Impact Statement (Pebble Limited Partnership)
Attachments: document_gw_05.pdf

Jill and David-

The Corps today issued its NOI to prepare an EIS and its scoping schedule. See links below.
The scoping period runs from April 1 to 30.

Deliberative Process / Ex. 5

Thanks - Patty

-----Original Message-----

From: Worby-Miller, Angela N CIV USARMY CEPOA (US) [mailto:Angela.N.Worby-Miller@usace.army.mil]
Sent: Friday, March 30, 2018 11:22 AM
To: Pagemaster, Reg POA <regpagemaster@usace.army.mil>
Cc: POA Special Projects <poaspecialprojects@usace.army.mil>
Subject: Notice of Intent to Prepare an Environmental Impact Statement (Pebble Limited Partnership)

Interested parties are hereby notified that a Department of the Army permit application has been received for work in waters of the United States.

SPECIAL PUBLIC NOTICE DATE: March 30, 2018

IDENTIFICATION NUMBER: POA-2017-271

APPLICANT: Pebble Limited Partnership

LOCATION: The project would be located in the Iliamna region of southwest Alaska, approximately 200 miles southwest of Anchorage and 60 miles west of Cook Inlet. The closest communities are the villages of Iliamna, Newhalen, and Nondalton, each approximately 17 miles from the Pebble Deposit.

CONTACT:

For information regarding the proposed project plans and construction, please contact the applicant at:
Pebble Limited Partnership
3201 C Street, Suite 505
Anchorage, Alaska 99503.

For additional information regarding the EIS process (including scoping) please contact:
Mr. Shane McCoy
Program Manager, Regulatory Division
US Army Corps of Engineers, Alaska District CEPOA-RD Post Office Box 6898 JBER, Alaska 99506-0898

Also, please visit our project website at www.PebbleProjectEIS.com.

The full text of this public notice, as well as associated maps and drawings, are available on our website at:
<http://www.poa.usace.army.mil/Missions/Regulatory/Special-Public-Notices/>
(Note: if the above link isn't clickable or part of the link is cut off, please copy and paste the entire URL into your browser's address bar and press Enter)

****NOTICE TO EDITORS:** This public notice is provided as background information and is not a request or contract for publication.

U.S. Army Corps of Engineers
Alaska District
Regulatory Division, CEPOA-RD
2204 3rd Street, Post Office Box 6898
JBER, Alaska 99506-0898

The understanding and support of Alaskans is vital to the success of the Regulatory Program. We must work together to protect Alaska's water resources, ensuring their use and enjoyment for future generations, while enabling responsible development.

Regulatory Division website:

<http://www.poa.usace.army.mil/Missions/Regulatory/RegulatoryContacts.aspx>

Customer Survey:

<http://per2.nwp.usace.army.mil/survey.html>

If you would like to be removed from this mailing list, please reply with "Opt Out" in subject line.

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/5/2018 8:14:22 PM
To: Fordham, Tami [Fordham.Tami@epa.gov]
Subject: RE: briefings for sue

Hi Tami-

Personal Matters / Ex. 6

Patty

From: Fordham, Tami
Sent: Thursday, July 5, 2018 1:12 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: briefings for sue

Thanks Patty, Those days don't look good for the other folks on the list. So, as long as you will be around that day let's go for it (July 19th). We will be in Seattle July 23-26, but those days are looking quite busy. Let me know if you see any more challenges with the schedule I have proposed, its flexible – just want to get these on the calendar.

:) Thanks! Tami

From: McGrath, Patricia
Sent: Thursday, July 05, 2018 12:01 PM
To: Fordham, Tami <Fordham.Tami@epa.gov>
Subject: briefings for sue

Hi Tami-

Just so you know, I will be in Anchorage Office on July 30 (afternoon) and August 1 (most of the day) and could do the Pebble or AK mining briefings for Sue in person then if the week of July 23 does not work.

Alternately I am around much of the week of July 23 in Seattle office – not sure what days you two will be there.

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/5/2018 7:51:19 PM
To: Fordham, Tami [Fordham.Tami@epa.gov]
Subject: Declined: Pebble Overview for AOO Director
Location: R10AOO-Room-Large-30-VTC/R10-Rooms-AOO; R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 7/19/2018 8:30:00 PM
End: 7/19/2018 9:30:00 PM
Show Time As: Busy

Hi Tami-

Personal Matters / Ex. 6

Could we move this to the following week or alternate date?

Thanks - Patty



Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/7/2018 6:46:57 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: FW: Pebble EIS

From: Muche, Muluken
Sent: Monday, June 4, 2018 12:05 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Maley, Timothy <maley.timothy@epa.gov>
Subject: RE: Pebble EIS

Thank you!

Muluken

Muluken Muche | Research Hydrologist, Post-Doc
USEPA/ORD-NERL-CED-Watershed Exposure Branch
960 College Station Road, Athens, GA-30605
Phone: 706-355-8321

From: McGrath, Patricia
Sent: Monday, June 04, 2018 4:03 PM
To: Muche, Muluken <Muche.Muluken@epa.gov>
Cc: Maley, Timothy <maley.timothy@epa.gov>
Subject: Pebble EIS

Hi Muluken –

Per our conversation, below are links to information that will assist with your understanding of the proposed Pebble project and some past work done by EPA.

Link to the US Army Corps of Engineers Pebble EIS website. The website describes EIS process. The Department of Army Permit Application, Attachment D, contains the current Project Description.

<https://pebbleprojecteis.com/documents/background>

Link to EPA's Bristol Bay website. See "Bristol Bay Assessment – Final Report (2014)" for information on some work that EPA did in evaluating potential mining impacts

<https://www.epa.gov/bristolbay>

Also, below is the contact information for Tim Maley (also cced). Tim will be contacting you further about the project and our needs.

Tim Maley (206) 553-1210
Maley.timothy@epa.gov

Thanks –

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/3/2018 8:58:24 PM
To: Schofield, Kate [Schofield.Kate@epa.gov]; Suter, Glenn [suter.glenn@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]

BCC: Conference Line/Code / Ex. 6

Subject: ORD support for Pebble EIS

Location: Conference Line/Code / Ex. 6

Start: 4/5/2018 8:00:00 PM

End: 4/5/2018 9:00:00 PM

Show Time As: Tentative

2

Conference Line/Code /
Ex. 6

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/3/2018 7:31:24 PM
To: Schofield, Kate [Schofield.Kate@epa.gov]; Suter, Glenn [suter.glenn@epa.gov]
CC: Lavoie, Emma [Lavoie.Emma@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Pebble EIS

That time works for me.
I will send a meeting invite later. Have to run to another meeting now.
Patty

From: Schofield, Kate
Sent: Tuesday, April 3, 2018 12:11 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Suter, Glenn <suter.glenn@epa.gov>
Cc: Lavoie, Emma <Lavoie.Emma@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: Pebble EIS

Hi Patty,

Yes, sorry about not responding earlier. Personal Matters / Ex. 6
Person My schedule is fairly open on Thursday and Friday this week. Would 4:00 EDT on Thursday work for you?

Looking forward to chatting with you,
Kate

Kate Schofield, Ph.D. | Ecologist | schofield.kate@epa.gov | 202.564.2640
National Center for Environmental Assessment | US Environmental Protection Agency
Postal address: USEPA | 1200 Pennsylvania Ave, NW (8623R) | Washington DC 20460

From: McGrath, Patricia
Sent: Tuesday, April 3, 2018 3:04 PM
To: Schofield, Kate <Schofield.Kate@epa.gov>; Suter, Glenn <suter.glenn@epa.gov>
Cc: Lavoie, Emma <Lavoie.Emma@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Pebble EIS

Hello Kate-

I left a message with you several weeks ago regarding the Pebble EIS, requesting ORD's support.

The US Army Corps of Engineers is the lead agency in developing the EIS. EPA is a cooperating agency and will be assisting the Corps in developing portions of the document and we will also be reviewing the EIS per our CAA 309 authorities.

While the Region has put together a multi-disciplinary team, including folks from OW, there are a few areas where we would like additional support. These include fisheries and hydrologic review and modeling.

I understand that you and others that work for ORD provided assistance in these areas during development of the Bristol Bay watershed assessment.

Region 10 is requesting assistance in these areas to support our EIS cooperating agency and review role.

Can we set up a time this week to discuss?

I am the lead for the Region 10 Pebble NEPA/permitting team. Molly Vaughan is our lead NEPA reviewer.

Thanks –
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/18/2018 11:58:34 PM
To: Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]
CC: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: Pebble review request
Attachments: Sec4.1_IntroEC_reviewdraft_2018.10.16.docx

Hi Cindi and Mark-

We have another short turn around review on a draft section of the Pebble EIS.

Attached is draft Section 4.1, which is the introduction to the Environmental Consequences section. The Corps has requested comments by 10/31. This section identifies past, present, and reasonably foreseeable future actions that will be considered in the cumulative effects analysis in subsequent chapters. We especially appreciate your review of the actions identified and whether there are others that could be missing.

The Corps has requested comments by 10/31. In order to meet this deadline and have management review, if you have time to look at this section, then please send Molly and I comments by COB 10/24.

Let us know if you have questions.

Thanks - Patty

Patty McGrath | Mining Advisor
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/16/2018 10:03:48 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Muluken Muche (muche.muluken@epa.gov) [muche.muluken@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]; Conference Line/Code / Ex. 6
Conference Line/Code / Ex. 6
Subject: Pebble EIS hydro & water discussion
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center; R10Sea-Conference Line/Code / Ex. 6
Start: 11/27/2018 5:00:00 PM
End: 11/27/2018 6:00:00 PM
Show Time As: Tentative

Call in: 206-553-7076
Code: 123456#

All-

The purpose of this meeting is to discuss our thoughts/comments on Pebble PDEIS sections related to surface water and groundwater quality, hydrology, and hydrogeology before we submit comments to the Corps. In particular, I am interested in your thoughts on the modeling efforts and sufficiency at characterizing potential impacts. I know that you all might not have completed your reviews yet, but want to discuss initial thoughts.

Thanks - Patty

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/25/2018 7:32:26 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: Pebble site visit & Corps/AECOM meeting logistics

Hi Tim, Chris, and Molly –

This email provides logistics for our site visit to Pebble and meeting with the Corps/AECOM next week.

July 30 - Chris, Tim, and I are flying to Anchorage in the morning. The Sheraton does not have an airport shuttle, so I recommend taking a cab to the hotel following arrival. We can check in or drop bags off at the hotel, have a quick lunch, and then head to the AECOM office.

(currently I arrive on a later flight – at 12:53 pm. If I can't change to the earlier flight then go ahead without me and I will meet you at AECOM)

AECOM office address: 700 5th (walking distance from hotel)

Meeting time is 2 -4 (I forwarded the invite). Purpose is to meet and greet their geochem and hydro SMEs and they will provide us an update on the status of the impact assessment for these resources.

After the meeting I will be checking out the AOO jeep for use on the 31st.

July 31 –

6:45 am - Tim, Chris, and Patty to meet in the hotel lobby; Drive AOO jeep to Iliamna Air Taxi (6231 S Airpark Place) for arrival by 7. Molly will meet us there.

7:00 am – Check in for flight to Kokhanok – be prepared to pay for the charter with your gov credit card

8:00 am – Depart for Kokhanok

9:00 am – Arrive Kokhanok

9 – 4 - Safety briefing, helicopter tour of mine site and parts of the access road and Iliamna Lake terminal locations, time will be spent in the helicopter and also on the ground (will be invoiced later for helicopter time)

4:00 pm – Arrive in Iliamna from tour and check in for Iliamna Air Taxi flight back to Anchorage

4:30 pm – flight leaves Iliamna for Anchorage

5:30 pm – Arrive in Anchorage; Patty, Tim, Chris drive jeep back to the hotel

August 1

My flight leaves at 2 pm. I may be able to take Tim and Chris to airport, except I have a 7 am conference call

Please check the weather and dress accordingly.

We will need to bring lunches, snacks, water with us on the 31st. We can purchase in Anchorage on Monday.

Also you might want to bring site maps from the project description for reference.

Let me know if you have questions.

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/21/2018 9:09:45 PM
To: Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]
CC: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: FW: Wetlands Methodology and Schedule Memo
Attachments: Pebble_Project_Wetlands_Methodology_Memo_FINALV2.pdf

Hi Mark-

Sheila had asked AECOM to share this memo with us in advance of receipt of the PDEIS wetlands sections and a meeting next week (again, assuming next week works for you and others).

Patty

From: Bella, Elizabeth <elizabeth.bella@aecom.com>
Sent: Wednesday, November 21, 2018 1:06 PM
To: Sheila Newman (Sheila.M.Newman@usace.army.mil) <Sheila.M.Newman@usace.army.mil>; USACE Pebble Project EIS (poaspecialprojects@usace.army.mil) <poaspecialprojects@usace.army.mil>; McGrath, Patricia <m McGrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Cc: ARPebbleEIS <ARPebbleEIS@aecom.com>
Subject: Wetlands Methodology and Schedule Memo

Please see attached memo on wetlands section methodology and schedule. I will send a calendar invite for a meeting on Thursday 11/29 shortly.

Thank you,

Elizabeth

Elizabeth Bella, PhD
Planning Group Leader
office (907) 261-9737 cell (907) 330-4494
elizabeth.bella@aecom.com

AECOM
700 G Street, Suite 500, Anchorage, AK 99501
office (907) 562-3366 fax (907) 562-1297
www.aecom.com

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/25/2018 6:56:54 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
Subject: FW: Meeting before EPA Pebble site visit
Location: CR.ANC-700.5th-Large-Conference-Room
Start: 7/30/2018 10:00:00 PM
End: 7/31/2018
Show Time As: Tentative

-----Original Appointment-----

From: Wright, Cara [mailto:cara.wright@aecom.com]
Sent: Tuesday, July 17, 2018 1:11 PM
To: Wright, Cara; Craig, Bill; Darigo, Nancy; Bella, Elizabeth; Mills, Ryan (Burnaby); Henry, Richard; POA Special Projects; McGrath, Patricia; Vaughan, Molly
Subject: Meeting before EPA Pebble site visit
When: Monday, July 30, 2018 2:00 PM-4:00 PM (UTC-09:00) Alaska.
Where: CR.ANC-700.5th-Large-Conference-Room

-- Do not delete or change any of the following text. --

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Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/25/2018 6:55:33 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 7/26/2018 8:00:00 PM
End: 7/26/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda below, please feel free to suggest additional agenda topics

Agenda:

- Review of preliminary EIS sections – Molly
- Field verification site visit – Mark
- Upcoming agency meetings – Patty
- Schedule - Patty

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/2/2018 8:41:09 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]
Subject: discuss Pebble EIS outline
Location: AOO call Patty
Start: 4/4/2018 9:30:00 PM
End: 4/4/2018 10:00:00 PM
Show Time As: Tentative

Hi Molly and Matt –

I need to reschedule this since I have a briefing with the RA that got changed to this afternoon.

Patty

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/22/2018 11:30:43 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 8/23/2018 8:00:00 PM
End: 8/23/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Agenda:

- 7/31 project site visit
- Status of review of EIS sections
- Summary of 8/22 cooperating agency meeting (alternatives discussion)
- Next steps and schedule

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/12/2018 7:56:48 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]
Subject: RE: Bristol Bay - Allnutt Check-in meetings

Hi Erik-

Yes. That would be great if you could facilitate the change and the meetings themselves.

Though I am moving to the 14th floor later this week!

thanks

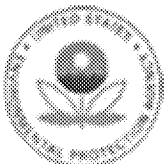
Patty

From: Peterson, Erik
Sent: Tuesday, June 12, 2018 12:29 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Bristol Bay - Allnutt Check-in meetings

Patty,

David indicated a preference and a kind of expectation that the bi-weekly Bristol Bay check-ins would move from Wednesdays to Tuesdays. Tuesdays are apparently better for Tami Fordham and also for Linda A-C.

Would you like me to facilitate this change? I'm offering to take over setting up the Bristol Bay check-ins because I have capacity to manage the meeting invites, gather agenda items, share the agenda prior to the meeting, and facilitate, and, because my being on the 14th floor means that it is easier for me to initiate the call. I offer to take over now also because switching days makes for a natural transition, and also the 404(c) work is less than the NEPA/404 work. Trying to be helpful kind of thing.



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/21/2018 4:11:40 PM
To: Nogi, Jill [nogi.jill@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Subject: RE: My suggestions on Pre Draft Ch 2
Attachments: EPA Comments Pebble Pre-DEIS Ch 2 111918draft+JN_pm.docx

Hi Molly –

I have a few comments on Jills edits.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Please feel free to call if you have questions.

Patty

From: Nogi, Jill

Sent: Tuesday, November 20, 2018 6:13 PM

To: Vaughan, Molly <Vaughan.Molly@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>

Subject: My suggestions on Pre Draft Ch 2

Internal - Deliberative

Hi team –

Thank you for your review of preliminary draft chapter 2 and for developing our comments. This looks very thorough. You did a nice job preparing our comments. I appreciate the opportunity to review and provide suggestions for consideration.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

any questions about my suggestions, you can try to reach me on my work cell while we're in the car tomorrow. I'd be happy to discuss.

Thanks again,
Jill

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/20/2018 11:21:26 PM
To: Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]
CC: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: FW: Feedback post Patty's VM
Attachments: Comment spreadsheet_Chapter 4_BAB.docx; Comment spreadsheet_Chapter 5_BAB.docx

Hi Cindi-
As discussed, here are Barb's comments.
Patty

From: Butler, Barbara
Sent: Tuesday, November 20, 2018 1:00 PM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: Feedback post Patty's VM

Hi Molly and Patty,

Deliberative Process / Ex. 5

Please let me know if you have any questions, or if there is anything that you would like me to look at with a different focus.

Have a Happy and Safe Thanksgiving break!
Barb

From: Butler, Barbara
Sent: Thursday, November 15, 2018 9:01 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Feedback post Patty's VM

Hi Molly and Patty,

I'll volunteer to be one of the reviewers for Chapter 5 for parts not covering recommendations for compensatory mitigation, if that's captured at this stage (that's outside my area of experience).

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Cheers,
Barb

Barbara A. Butler, Ph.D.
Research Environmental Engineer

USEPA ORD-NRMRL-LMMD-RTEB
26 W. Martin Luther King Dr, MS-483
Cincinnati, OH 45268
Phone: 513-569-7468
Office Location: AWBERC 493B

Appointment

From: McGrath, Patricia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a069b6877f4eb985d83829c51ea4fa-McGrath, Pa]
Sent: 11/20/2018 7:19:05 PM
To: Barbara Butler (Butler.Barbara@epa.gov) [Butler.Barbara@epa.gov]
Subject: FW: Pebble EIS hydro & water discussion
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center; R10Sea-Conf
Start: 11/27/2018 5:00:00 PM
End: 11/27/2018 6:00:00 PM
Show Time As: Tentative

Conference Line/Code /
Ex. 6

-----Original Appointment-----

From: McGrath, Patricia
Sent: Friday, November 16, 2018 2:04 PM
To: McGrath, Patricia; Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Muluken Muche (muche.muluken@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Molly Vaughan (Vaughan.Molly@epa.gov)
Subject: Pebble EIS hydro & water discussion
When: Tuesday, November 27, 2018 9:00 AM-10:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center; R10Sea-

Conference Line/Code / Ex. 6

Conference Line/Code / Ex. 6

All-

The purpose of this meeting is to discuss our thoughts/comments on Pebble PDEIS sections related to surface water and groundwater quality, hydrology, and hydrogeology before we submit comments to the Corps. In particular, I am interested in your thoughts on the modeling efforts and sufficiency at characterizing potential impacts. I know that you all might not have completed your reviews yet, but want to discuss initial thoughts.

Thanks - Patty

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/17/2018 6:32:11 PM
To: Erik Peterson (Peterson.Erik@epa.gov) [Peterson.Erik@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]
Subject: AOO director briefing materials
Attachments: BB Presentation_AOO_20180723.pptx; Bristol Bay Sript - AOO Briefing_20180723.docx

Hi Erik and Ashley-

Attached is the PP and script, with edits accepted, for the briefing with Sue next Monday.

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/2/2018 8:03:24 PM
To: David Allnutt (Allnutt.David@epa.gov) [Allnutt.David@epa.gov]; Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Tami Fordham (Fordham.Tami@epa.gov) [Fordham.Tami@epa.gov]
CC: Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]
Subject: BB website - EIS info
Attachments: Pebble EIS Newsletter No. 1.pdf

Hi Molly, Jill, Tami, and David-

Suzanne and I talked briefly about adding a few sentences to EPA's Bristol Bay website about our role in the EIS process and a link to the Corps EIS website.

I think that will help direct folks that are used to looking to EPA for information to the Corps website, particularly now that scoping has begun.

Following is some suggested language. Please let me know if you agree that we should include this on our website and if you have any recommended edits to the language. I have also attached the Corps' Newsletter #1 that was recently posted, FYI.

Environmental Impact Statement Process

The U.S. Army Corps of Engineers received a Department of Army permit application and project description from the Pebble Limited Partnership on December 22, 2017 and has determined that an EIS under the National Environmental Policy Act is needed before it makes a decision on the permit application. The Corps is the lead agency in managing the EIS process and developing the EIS. EPA is a cooperating agency in the EIS process, at the invitation of the Corps. The EIS is to evaluate potential impacts of the project on the physical, biological, and social environment. The Corps initiated public scoping of the EIS on April 1, 2018. Below is link to the Corps EIS website for more information and documents pertaining to the Department of Army permit application and EIS process.
<https://www.pebbleprojecteis.com/#/>

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/2/2018 7:20:20 PM
To: Mark Jen (Jen.Mark@epa.gov) [Jen.Mark@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]
Subject: FW: Mining Team Retreat **Deliberative Process / Ex. 5**
Attachments: 2018 draft Mine Team Retreat 3_26_18.docx

Importance: High

Hi Mark and Jennifer-

As regular participants in the mining team, wanted to make sure that you are aware of this as well.

Patty

From: Stoddard, Jamey
Sent: Tuesday, March 27, 2018 12:12 PM
To: Young, Margo <Young.Margo@epa.gov>; Mahmud, Shahid <Mahmud.Shahid@epa.gov>; Bujak, Charissa <bujak.charissa@epa.gov>; Congdon, Julie <Congdon.Julie@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Hood, Lynne <Hood.Lynne@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Martich, Tara <Martich.Tara@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; McKenna, Elizabeth <McKenna.Elizabeth@epa.gov>; Moreen, Ed <Moreen.Ed@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; Stoddard, Jamey <Stoddard.Jamey@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Tomten, Dave <Tomten.Dave@epa.gov>; Vanderboom, Eric <Vanderboom.Eric@epa.gov>; Wilkening, Matt <Wilkening.Matt@epa.gov>; Zokan, James <Zokan.Jim@epa.gov>; Werntz, James <Werntz.James@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>
Subject: Mining Team Retreat: **Deliberative Process / Ex. 5**
Importance: High

Mining Team-

We are beginning to plan transportation logistics for the Mine Team Retreat (May 18) and need some input from everyone attending. Please follow the link below to access a spreadsheet you will need to fill out re: your transportation needs to/from Vashon.

Some background as you consider your transportation needs. Draft agenda is also attached.

Deliberative Process / Ex. 5

Please reply ASAP. Thanks in advance.

Jamey L. Stoddard
NEPA Compliance Coordinator
Office of Water and Watersheds
USEPA Region X
1200 6th Ave, Suite 900, OWW-191
Seattle, WA 98101
t. 206.553.6110

DRAFT AGENDA
Mine Team “Sector” Retreat 2018
Wednesday, May 16th

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

- Pebble update-Patty (if time permits)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/15/2018 8:45:53 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: FW: Pebble hand off

From: Allnutt, David
Sent: Tuesday, May 15, 2018 1:12 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>
Subject: FW: Pebble hand off

FYI --



R. David Allnutt, Director
Office of Environmental Review and Assessment
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-2581

From: Mendelman, Krista
Sent: Tuesday, May 15, 2018 12:05 PM
To: Allnutt, David <Allnutt.David@epa.gov>; Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>
Cc: Douglas, Mark <douglas.mark@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>
Subject: Pebble hand off

Hi David and Linda,

Mark Douglas has bravely stepped forward to be the lead on Pebble taking over for Matt. There will obviously be a transition between Matt and Mark with Mary Anne supporting Mark through a team approach. This is something that Michael S and I have discussed and Michael is supportive.

Krista

Krista Mendelman
US EPA Region 10 MS:OWW-193
1200 6th Ave. Suite 900
Seattle WA 98101
206-553-1571

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/15/2018 6:44:52 PM
To: Hood, Lynne [Hood.Lynne@epa.gov]; Young, Margo [Young.Margo@epa.gov]; Mahmud, Shahid [Mahmud.Shahid@epa.gov]; Bujak, Charissa [bujak.charissa@epa.gov]; Congdon, Julie [Congdon.Julie@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Martich, Tara [Martich.Tara@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; McKenna, Elizabeth [Mckenna.Elizabeth@epa.gov]; Moreen, Ed [Moreen.Ed@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]; Stoddard, Jamey [Stoddard.Jamey@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]; Tomten, Dave [Tomten.Dave@epa.gov]; Wilkening, Matt [Wilkening.Matt@epa.gov]; Zokan, James [Zokan.Jim@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]
CC: Werntz, James [Werntz.James@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Sachs, Robert [Sachs.Robert@epa.gov]
Subject: RE: Mine Team Retreat- Updated location
Attachments: R10 Mine Team -2018 Retreat Agenda.docx

Attached is the agenda. No changes, except to update the meeting room location.
Patty

-----Original Appointment-----

From: Hood, Lynne
Sent: Monday, May 14, 2018 7:41 AM
To: Young, Margo; Mahmud, Shahid; Bujak, Charissa; Congdon, Julie; Eckley, Chris; Godsey, Cindi; Maley, Timothy; Martich, Tara; McAlpine, Jerrold; McGrath, Patricia; McKenna, Elizabeth; Moreen, Ed; Palomaki, Ashley; Pepple, Karl; Stoddard, Jamey; Thiesing, Mary; Tomten, Dave; Wilkening, Matt; Zokan, James; Nogi, Jill; Allnutt, David
Cc: Werntz, James; Steiner-Riley, Cara; Sachs, Robert
Subject: Mine Team Retreat- Updated location
When: Wednesday, May 16, 2018 9:30 AM-7:30 PM (UTC-07:00) Mountain Time (US & Canada).
Where: NOAA facility Building #9

NOAA Western Regional Site

7600 Sand Point Way NE,
Seattle, WA 98115

- Conference room located at Building # 9 (see map)
- Recommended to park in the parking lot in Building #1

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

- Food/Drink:**
- Small Morning Coffee/Snacks and Afternoon Snacks Provided by Planning Team (BYOC)
 - Lunch available for purchase in the NOAA cafeteria or bring your own bagged lunch

AGENDA

Mine Team “Sector” Retreat 2018

Wednesday, May 16th

9am – 4pm

NOAA Western Regional Center at Magnuson Park

7600 Sand Point Way, Seattle WA Building #9 Conference Room

- Logistics:**
- **Bring your EPA badge!** You will not be let into building without it
 - Planning Team: Patty McGrath, 3-6113; Jamey Stoddard, 3-6110; Lynne Hood, 8-5757; Charissa Bujak, 8-5754

Goal: To connect as a team, share program updates, and develop a Regional Mine Sector Work Plan.

Desired Outcomes:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

TIME	WHAT	WHO
<div>Non-Responsive: Unrelated to Bristol Bay/Pebble Mine</div>		
3:15pm-4:00pm	Highlights	<div>Non-Responsive:</div> <div>Pebble update...Patty</div>

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/29/2018 7:26:48 PM
To: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)
Attachments: Project Forecast Report 25 May 2018_pm.docx

Try this one.

From: Palomaki, Ashley
Sent: Tuesday, May 29, 2018 12:25 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Patty – this link doesn't seem to be working for me.

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Tuesday, May 29, 2018 9:40 AM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Ashley –
Do you have time today to check my revisions to this project forecast report from OFA?
Please add your edits and I will forward on to Jill (and cc you).
Thanks –
Patty

From: Nogi, Jill
Sent: Tuesday, May 29, 2018 6:37 AM
To: Curtis, Jennifer <Curtis.Jennifer@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Jennifer and Patty –
More information related to HQ quick turnaround request for you. I wanted to have Candi clarify what needs to be on the report by 9am Pacific/8am AK time tomorrow to meet the deadline. I'm teleworking today so if you want to talk through the request this morning, please feel free to call my work cell at 206-316-0219. We will want to run the Pebble update through Ashley today too. Thanks so much for your help with this! If you are both able to send your edits/additional information to me before you leave the office today, I'll compile and send out to Candi tomorrow morning.

Hope you had a great weekend! Jill

From: Schaedle, Candi

Sent: Friday, May 25, 2018 11:15 AM

To: Nogi, Jill <nogi.jill@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Rob did mention that he wanted Pebble listed since the AA is aware of this project.

Non-Responsive: Unrelated to

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

From: Nogi, Jill

Sent: Friday, May 25, 2018 1:40 PM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi, a few more questions for you. Thank you! I want to make sure whether OFA/OP is mostly interested in the projects for which we anticipate the DEIS to be released (and is that in the next 2 weeks as stated at the top of the report?). The DEIS for Pebble is anticipated this fall on the report that you shared, so not in the next 2 weeks – should it be on here or on a later report?

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for working with us on this! By the way, a lot of people aren't in today, so there's really only the one day next Tuesday to work on this and get it back to you. I think it will be super helpful to understand what makes the cut for being reported on this forecast report, and how often you will be asking the Regions to update it. Is it once a month, bi-monthly, more often – so that if we know things are happening later in the summer in some cases, would you want those reported now as well?

Jill

From: Schaedle, Candi

Sent: Friday, May 25, 2018 10:32 AM

To: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill

<nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

From: Timmermann, Timothy

Sent: Friday, May 25, 2018 12:58 PM

To: Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for fielding all the questions.

tt

Timothy L. Timmermann, Associate Director
Office of Environmental Review
EPA New England-Region 1
5 Post Office Square, Suite 100
Mail Code OEP 06-3

Boston, MA 02109-3912

Email: timmermann.timothy@epa.gov

Telephone: 617-918-1025

E-Fax: 617-918-0025

From: Rudnick, Barbara

Sent: Friday, May 25, 2018 12:39 PM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Candi,

Thanks for the clarification on the request. As with R9's request for extra folks to be included, R3 would appreciate if Jeff Lapp and I were on the contact list.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Sincerely,
Barbara

From: Schaedle, Candi

Sent: Friday, May 25, 2018 11:38 AM

To: Goforth, Kathleen <Goforth.Kathleen@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Great questions – I've provided responses that I hope help and provide clarity.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

I will include Connell and Nicole on future emails – thanks for forward the email to them!

From: Goforth, Kathleen

Sent: Friday, May 25, 2018 10:46 AM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>

Subject: Re: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi -

Thanks for the template. I have a few questions:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Please include Connell Dunning and Nicole Moutoux on any messages requesting Regional action, especially when fast turnaround is required. That will help us ensure that nothing falls through the cracks if I am out of the office. I've cc'd them on this message.

Thanks -

-Kathy

Sent from my iPhone

On May 25, 2018, at 7:12 AM, Schaedle, Candi <Schaedle.Candi@epa.gov> wrote:

All –

We have been tasked to identify projects in the Regions that currently are or potentially will be receiving high-level political HQ review, visibility, and/or coordination. We've provided a template that you can use to report any projects – see below and the draft Project Forecast Report that is attached to this email. In the attachment, some projects have been filled in (R10/USACE/Pebble Mine/DEIS and R5/USACE/Seven Hills Mine/DEIS), but please feel free to edit this information.

- **Region/Lead Agency/Project Name/EIS type (Draft, Final, Supplement)/Anticipated (insert date)**
 - **Background:**
 - **EPA Involvement:**
 - **Status:**

The sooner that you can provide us this information, the better. The latest that we can receive this info is by **NOON on Wednesday, May 30th** (eastern time). If you have nothing to report, please let us know so that we can track this.

We really appreciate your assistance on this and apologize for the quick turnaround.

If you have any questions, please let me know.

Many, many thanks again for your help and I hope you have a wonderful weekend!

Candi Schaedle
NEPA Compliance Division
202-564-6121

<Project Forecast Report 25 May 2018.docx>

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 7:39:21 PM
To: Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]
Subject: FW: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 11/22/2018 9:00:00 PM
End: 11/22/2018 10:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

-----Original Appointment-----

From: McGrath, Patricia
Sent: Thursday, February 15, 2018 10:54 AM
To: McGrath, Patricia; Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov); Kate Schofield (Schofield.Kate@epa.gov)
Cc: Douglas, Mark
Subject: Pebble permit oversight/NEPA team
When: Thursday, November 22, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/16/2018 8:07:40 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Canceled: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 11/22/2018 9:00:00 PM
End: 11/22/2018 10:00:00 PM
Show Time As: Free
Importance: High
Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/18/2018 7:39:20 PM
To: Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]
Subject: FW: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 2/22/2018 9:00:00 PM
End: 2/22/2018 10:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

-----Original Appointment-----

From: McGrath, Patricia
Sent: Thursday, February 15, 2018 10:54 AM
To: McGrath, Patricia; Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov)
Cc: Douglas, Mark
Subject: Pebble permit oversight/NEPA team
When: Occurs the fourth Thursday of every 1 month(s) effective 2/22/2018 until 11/22/2018 from 1:00 PM to 2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/24/2018 9:49:46 PM
To: Susan K. Detwiler (detwiler.susan@epa.gov) [detwiler.susan@epa.gov]; Tami Fordham (Fordham.Tami@epa.gov) [Fordham.Tami@epa.gov]
CC: Erik Peterson (Peterson.Erik@epa.gov) [Peterson.Erik@epa.gov]
Subject: Bristol Bay/Pebble presentation
Attachments: BB Presentation_AOO_20180723.pptx

Hi Tami and Sue –

Attached is the presentation that Erik and I used yesterday for the Bristol Bay/Pebble briefing.

Please let us know if there are follow-up questions.

Best-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/29/2018 4:39:51 PM
To: Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

<!--[if lte mso 15 || CheckWebRef]-->

McGrath, Patricia has shared a OneDrive for Business file with you. To view it, click the link below.

 Project Forecast Report 25 May 2018_pm.docx

<!--[endif]-->

Hi Ashley –

Do you have time today to check my revisions to this project forecast report from OFA?

Please add your edits and I will forward on to Jill (and cc you).

Thanks –

Patty

From: Nogi, Jill

Sent: Tuesday, May 29, 2018 6:37 AM

To: Curtis, Jennifer <Curtis.Jennifer@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>

Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Jennifer and Patty –

More information related to HQ quick turnaround request for you. I wanted to have Candi clarify what needs to be on the report by 9am Pacific/8am AK time tomorrow to meet the deadline. I'm teleworking today so if you want to talk through the request this morning, please feel free to call my work cell at

206-316-0219. We will want to run the Pebble update through Ashley today too. Thanks so much for your help with this!

If you are both able to send your edits/additional information to me before you leave the office today, I'll compile and send out to Candi tomorrow morning.

Hope you had a great weekend! Jill

From: Schaedle, Candi

Sent: Friday, May 25, 2018 11:15 AM

To: Nogi, Jill <nogi.jill@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Rob did mention that he wanted Pebble listed since the AA is aware of this project.

Non-Responsive: Unrelated to

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

involve high-level HQ political coordination or review than those should probably be on the list. If it is too speculative to know right now, than I would leave them off. We can always update this list at a later time.

Right now, I can't state how often this document will need to be updated. But my guess is that it will be monthly to bi-monthly at most. We should know more after we get feedback from the AA – Rob is meeting with her at the end of next week.

From: Nogi, Jill

Sent: Friday, May 25, 2018 1:40 PM

To: Schaedle, Candi <Schaedle.Candi@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi, a few more questions for you. Thank you! I want to make sure whether OFA/OP is mostly interested in the projects for which we anticipate the DEIS to be released (and is that in the next 2 weeks as stated at the top of the report?). The DEIS for Pebble is anticipated this fall on the report that you shared, so not in the next 2 weeks – should it be on here or on a later report? **Non-Responsive: Unrelated to Bristol Bay/Pebble Mine**

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for working with us on this! By the way, a lot of people aren't in today, so there's really only the one day next Tuesday to work on this and get it back to you. I think it will be super helpful to understand what makes the cut for being reported on this forecast report, and how often you will be asking the Regions to update it. Is it once a month, bi-monthly, more often – so that if we know things are happening later in the summer in some cases, would you want those reported now as well?

Jill

From: Schaedle, Candi

Sent: Friday, May 25, 2018 10:32 AM

To: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Rudnick, Barbara <Rudnick.Barbara@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert

<Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

I hope this helps!

From: Timmermann, Timothy

Sent: Friday, May 25, 2018 12:58 PM

To: Rudnick, Barbara <Rudnick.Barbara@epa.gov>; Schaedle, Candi <Schaedle.Candi@epa.gov>

Cc: Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Knight, Kelly <knight.kelly@epa.gov>; Dunning, Connell <Dunning.Connell@epa.gov>; Moutoux, Nicole <Moutoux.Nicole@epa.gov>; Lapp, Jeffrey <lapp.jeffrey@epa.gov>

Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for fielding all the questions.

tt

Timothy L. Timmermann, Associate Director
Office of Environmental Review
EPA New England-Region 1
5 Post Office Square, Suite 100
Mail Code OEP 06-3
Boston, MA 02109-3912

Email: timmermann.timothy@epa.gov

Telephone: 617-918-1025

E-Fax: 617-918-0025

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Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Candi,

Thanks for the clarification on the request. As with R9's request for extra folks to be included, R3 would appreciate if Jeff Lapp and I were on the contact list.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Sincerely,
Barbara

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Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Great questions – I've provided responses that I hope help and provide clarity.

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I will include Connell and Nicole on future emails – thanks for forward the email to them!

From: Goforth, Kathleen

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Subject: Re: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Candi -

Thanks for the template. I have a few questions:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Please include Connell Dunning and Nicole Moutoux on any messages requesting Regional action, especially when fast turnaround is required. That will help us ensure that nothing falls through the cracks if I am out of the office. I've cc'd them on this message.

Thanks -

-Kathy

Sent from my iPhone

On May 25, 2018, at 7:12 AM, Schaedle, Candi <Schaedle.Candi@epa.gov> wrote:

All –

We have been tasked to identify projects in the Regions that currently are or potentially will be receiving high-level political HQ review, visibility, and/or coordination. We've provided a template that you can use to report any projects – see below and the draft Project Forecast Report that is attached to this email. In the attachment, some projects have been filled in (R10/USACE/Pebble Mine/DEIS and R5/USACE/Seven Hills Mine/DEIS), but please feel free to edit this information.

- **Region/Lead Agency/Project Name/EIS type (Draft, Final, Supplement)/Anticipated (insert date)**
 - **Background:**
 - **EPA Involvement:**
 - **Status:**

The sooner that you can provide us this information, the better. The latest that we can receive this info is by **NOON on Wednesday, May 30th (eastern time)**. If you have nothing to report, please let us know so that we can track this.

We really appreciate your assistance on this and apologize for the quick turnaround.

If you have any questions, please let me know.

Many, many thanks again for your help and I hope you have a wonderful weekend!

Candi Schaedle
NEPA Compliance Division
202-564-6121

<Project Forecast Report 25 May 2018.docx>

Unextractable file placeholder

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/6/2018 10:30:45 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: Re: RFFA comment

Ok. Thanks

Sent from my iPhone

On Nov 6, 2018, at 1:21 PM, Vaughan, Molly <Vaughan.Molly@epa.gov> wrote:

Thanks Patty!

Deliberative Process / Ex. 5

--Molly

From: McGrath, Patricia
Sent: Tuesday, November 06, 2018 1:12 PM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: RFFA comment

Hi Molly

Here is a comment per our discussion. Feel free to make edits.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/27/2018 4:29:20 PM
To: Geselbracht, Jeanne [Geselbracht.Jeanne@epa.gov]
Subject: ray

Hi Jeanne-

Deliberative Process / Ex. 5

I am happy to help.

Thanks- Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/25/2018 6:13:12 PM
To: Nogi, Jill [nogi.jill@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]
CC: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Subject: RE: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Hi Jill-

I can review and provide any revisions to the Pebble info on Tuesday.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Patty

From: Nogi, Jill
Sent: Friday, May 25, 2018 10:59 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>
Cc: Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: FW: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)
Importance: High

Patty/Jennifer –

This draft project forecasting report was shared this morning with NEPA regional managers. We've been asking questions to get more clarification from Candi on what goes on here, how often it's going to be updated, and other criteria. I'll forward you the list of questions to her next so you can see the conversation. I will forward any other answers I receive in case they are helpful.

I am sharing this with you both because if Pebble is staying on this report, the deadline to get back to Candi is 9am Wednesday am. I looked at what was provided and thought we may want to make additions/changes to what's here. I don't know if there's time to get a lot of people involved, so I'm coming to you as Sector leads. I am also thinking that

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks for taking a look and providing me with any revisions/additions etc. All 10 Regions were asked to add info, so I expect that Candi will be compiling what she receives. I am teleworking on Tuesday and back in the office at 7am on Wednesday, so I can share what we have with Candi by 9am as requested.

Talk with you soon!

Jill

Work cell (if you need me Tuesday) is 206-316-0219

From: Schaedle, Candi
Sent: Friday, May 25, 2018 7:12 AM
To: Timmermann, Timothy <Timmermann.Timothy@epa.gov>; Musumeci, Grace <Musumeci.Grace@epa.gov>; Rudnick,

Barbara <Rudnick.Barbara@epa.gov>; Militscher, Chris <Militscher.Chris@epa.gov>; Westlake, Kenneth <westlake.kenneth@epa.gov>; Houston, Robert <Houston.Robert@epa.gov>; Tapp, Joshua <Tapp.Joshua@epa.gov>; Strobel, Philip <Strobel.Philip@epa.gov>; Goforth, Kathleen <Goforth.Kathleen@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Cc: Knight, Kelly <knight.kelly@epa.gov>

Subject: QUICK TURNAROUND: Reporting of Regional projects that are/will be receiving HQ visibility (due no later than 5/30)

Importance: High

All –

We have been tasked to identify projects in the Regions that currently are or potentially will be receiving high-level political HQ review, visibility, and/or coordination. We've provided a template that you can use to report any projects – see below and the draft Project Forecast Report that is attached to this email. In the attachment, some projects have been filled in (R10/USACE/Pebble Mine/DEIS and R5/USACE/Seven Hills Mine/DEIS), but please feel free to edit this information.

- **Region/Lead Agency/Project Name/EIS type (Draft, Final, Supplement)/Anticipated (insert date)**
 - **Background:**
 - **EPA Involvement:**
 - **Status:**

The sooner that you can provide us this information, the better. The latest that we can receive this info is by **NOON on Wednesday, May 30th (eastern time)**. If you have nothing to report, please let us know so that we can track this.

We really appreciate your assistance on this and apologize for the quick turnaround.

If you have any questions, please let me know.

Many, many thanks again for your help and I hope you have a wonderful weekend!

Candi Schaedle
NEPA Compliance Division
202-564-6121

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/26/2018 6:36:28 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: section 4.1 comments
Attachments: Comments Section 4.1_PM and CG.docx

Hi Molly-

Please use this version of my comments on Section 4.1. I revised one of the comments.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/4/2018 7:51:46 PM
To: Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]
Subject: FW: ORD support for Pebble EIS
Attachments: Muluken Muche__Resume.docx

From: Duncan, Bruce
Sent: Thursday, May 17, 2018 12:23 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: ORD support for Pebble EIS

Hi Patty, for your consideration.

Bruce

From: Burden, Susan
Sent: Thursday, May 17, 2018 12:21 PM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Riddick, Lee <Riddick.Lee@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce,

We've identified a federal post doc that has the expertise and availability to support R10 as a hydrologist. His name is Muluken Muche, and he is a post doc in NERL with two years left on his term. Attached is his resume. I recommend that Patty McGrath reach out to Muluken and arrange a phone call to assess whether his expertise and time constraints will fit within their needs. If R10 decides that Muluken is not the right fit, we can explore other options. Please let me know how it goes.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Wednesday, May 09, 2018 6:03 PM
To: Blank, Valerie <Blank.Valerie@epa.gov>

Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thank you!!!

From: Blank, Valerie

Sent: Wednesday, May 09, 2018 5:45 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Burden, Susan <Burden.Susan@epa.gov>; LaVay, Maggie <LaVay.Maggie@epa.gov>

Subject: FW: ORD support for Pebble EIS

Hi Bruce,

We are reaching out across ORD through an additional level to look into this question and will get back to you soon.

Thanks, Valerie

Valerie Blank

Regional Science Program Coordinator

Office of Science Policy

EPA Office of Research and Development

202-564-1720

From: McGrath, Patricia

Sent: Friday, May 04, 2018 12:42 PM

To: Burden, Susan <Burden.Susan@epa.gov>; Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Given Susan's message below, will ORD be able to supply a hydrologist with modeling expertise as requested?

Thanks –

Patty

From: Burden, Susan

Sent: Friday, May 4, 2018 9:38 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Subject: RE: ORD support for Pebble EIS

Hi Bruce,

You're very welcome. Just to let you know, ORD did look into whether Steve Kraemer was available for this effort. Unfortunately, he is not available at this time.

Thanks,

Susan

Susan Burden, Ph.D.
Acting Chief, Program Support Staff
Office of Science Policy
Office of Research and Development
US Environmental Protection Agency
Phone: (202) 564-6308
Email: burden.susan@epa.gov

From: Duncan, Bruce
Sent: Friday, May 04, 2018 11:55 AM
To: Burden, Susan <Burden.Susan@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>
Subject: RE: ORD support for Pebble EIS

Thank you Susan;

We very much appreciate your timely response and inreach within ORD on our high priority regional request. I have copied Patty McGrath (Lead), David Allnutt (Office Director) and Jill Nogi (Unit Manager) in our Office of Environmental Review and Assessment.

Patty, Jill, and David;

- Paul Ringold would like to (see attachment):
Develop fairly formal quarterly progress meetings or discussions to make sure that the work requested and performed is on track and continues to function within the boundaries of our original agreements.

Discuss the possibility of regional funding to assist ORD technical experts in keeping engaged with the EIS process. This may be particularly important as the experts will be spending only a small fraction of their time on this effort. Having someone to stay engaged with the EIS and with the science requirements and issues involved on their behalf could facilitate the efficient and effective use of their time and effort.
- Although no hydrologist has been identified, Steve Kraemer (NERL) has been suggested as a possible option.
- Additionally, Barb Butler, an author of the Bristol Bay assessment, is willing to assist in areas not mentioned in the original request that might come up in the future, including reviews of water quality data (groundwater or surface water), mining materials testing data (e.g., kinetic and static leaching tests), sampling/analysis design, and mitigation/treatment options for control of water quality (e.g., management of wastes to minimize leaching/seepage issues, fate and transport of constituents in water if mine drainage is formed, and treatment of drainage).
- ORD indicated they do not have travel funds for their staff for this effort.

Let me know if I can be of further help.

Bruce

Bruce Duncan

Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10

1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140

206.553.0218 | duncan.bruce@epa.gov

From: Burden, Susan

Sent: Friday, May 04, 2018 4:26 AM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Hartzell, Evelyn <hartzell.evelyn@epa.gov>

Subject: FW: ORD support for Pebble EIS

Importance: High

Hi Bruce,

Valerie shared this request with me last week, and I've worked with ORD's Program Support Coordinators to identify ORD staff available to work with R10 on the Pebble Mine EIS. As you know, R10 requested specific people and expertise for the project. I'm happy to report that Joe Ebersole, Michael Kravitz, and Kate Schofield are all available for this effort. Unfortunately, we were not able to identify anyone with the requested hydrology expertise. The hydrologists who worked on the Bristol Bay assessment are no longer with ORD (Jim Wiggington retired and Jason Todd is now with OCSPP).

Additionally, Barb Butler, an author of the Bristol Bay assessment, is willing to assist in other areas (aka, areas not mentioned in the original request) that might come up in the future with respect to this mine site, including reviews of water quality data (groundwater or surface water), mining materials testing data (e.g., kinetic and static leaching tests), sampling/analysis design, and mitigation/treatment options for control of water quality (e.g., management of wastes to minimize leaching/seepage issues, fate and transport of constituents in water if mine drainage is formed, and treatment of drainage).

Finally, Paul Ringold, Joe Ebersole's branch chief, has asked for a follow up conversation with Patty McGrath (or R10's lead on the Pebble Mine EIS, if it is not Patty) to discuss Joe's participation. Paul's specific requests are in the attached email. Also, please note that the attached email chain indicates that Joe is available for up to 10% of his time for two years.

I'm assuming that you'll pass this information onto Patty. Please let me know if you need anything else from me.

Thanks,

Susan

Susan Burden, Ph.D.

Acting Chief, Program Support Staff

Office of Science Policy

Office of Research and Development

US Environmental Protection Agency

Phone: (202) 564-6308

Email: burden.susan@epa.gov

From: Blank, Valerie
Sent: Thursday, April 26, 2018 12:12 PM
To: Burden, Susan <Burden.Susan@epa.gov>
Cc: LaVay, Maggie <LaVay.Maggie@epa.gov>
Subject: FW: ORD support for Pebble EIS
Importance: High

fyi

From: Duncan, Bruce
Sent: Tuesday, April 24, 2018 2:41 PM
To: LaVay, Maggie <LaVay.Maggie@epa.gov>; Blank, Valerie <Blank.Valerie@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>; Ebersole, Joe <Ebersole.Joe@epa.gov>
Subject: FW: ORD support for Pebble EIS
Importance: High

Dear Maggie and Val,

Please find attached the Region 10 technical support request form for assistance. This is a high priority for R10 and we look forward to support starting as soon as possible. Our Regional Mining Advisor has been discussing the specifics with ORD Scientists already so this will not come as a surprise. Let me know of any next steps and how I can assist with the support request.

Bruce

Bruce Duncan
Regional Science Liaison to Office of Research & Development

U.S. Environmental Protection Agency | Region 10
1200-6th Ave, Suite #155, Mail Stop OERA-140; Seattle, WA 98101-3140
206.553.0218 | duncan.bruce@epa.gov

From: McGrath, Patricia
Sent: Tuesday, April 24, 2018 8:33 AM
To: Duncan, Bruce <Duncan.Bruce@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: ORD support for Pebble EIS

Hi Bruce-

Attached is the completed form. Please let me know if you need more information.

We would like some immediate assistance from Joe Ebersole to help us with scoping comments (due before the end of June) if that can be arranged.

Thanks-

Patty

From: Duncan, Bruce
Sent: Monday, April 23, 2018 4:21 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: RE: ORD support for Pebble EIS

Thanks Patti,

Here is a link to the form that OSP uses (from the R10 Science Steering Council SharePoint)

SUBMIT A TECHNICAL SUPPORT REQUEST:

Request Form - this form (Click [HERE](#)) is submitted to OSP who will help find the ORD support if available.

The form is pretty simple – if you need help I can arrange the information you provided into the desired format:

ORD Regional Decision Support Request	
Initiating Region and Division Region 10	Date
Contact Information Name: Phone Number: Email:	
Project Title	
Type of Scientific Support Requested <input type="checkbox"/> Consultative advice <input type="checkbox"/> Workgroup/seminar/committee participation <input type="checkbox"/> Document review Other (please specify)	
Description of Science Need – One-time request <u>Background & Problem.</u> <u>Assistance Needed/Research Steps</u>	
Project Milestones and Due Date	
Estimated number of hours required to complete request <input type="checkbox"/> 1 – 4 hours <input type="checkbox"/> 8 – 16 hours <input type="checkbox"/> 4 – 8 hours <input type="checkbox"/> >16 hours If >16, please provide an estimate of the hours needed	
Type of expertise needed (e.g., human health risk assessment, aquatic toxicology)	
Have you worked with ORD scientists on this project previously? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please list the names of the scientists.	

Regional Priority (To be completed by Regional Science Liaison – Bruce Duncan)

☐ High

☐ Medium

☐ Low

From: McGrath, Patricia

Sent: Monday, April 23, 2018 1:46 PM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>;

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: ORD support for Pebble EIS

Hello Bruce-

Last week I spoke with Scot Hagerthey regarding ORD support for our cooperating agency participation in the Pebble EIS. He acknowledged that ORD folks are interested and available and requested that I send the request for ORD support through you. Can you let me know how you like to see these requests. Is an email from me sufficient? Following is the support that is needed.

Request for ORD Support for Pebble Environmental Impact Statement

The US Army Corps of Engineers is the lead agency in developing an EIS for the Pebble Mine Project in Alaska. The Corps invited EPA to be a cooperating agency to assist the Corps in developing sections of the EIS. In addition, EPA is responsible for reviewing the Draft EIS and the public notice for the CWA 404 permit application. EPA Region 10 has put together a team to accomplish these responsibilities. There are several areas where EPA is requesting support from ORD to bolster EPA's review team and also benefit from ORD's past work in the Bristol Bay watershed where the mine project is located. From 2011 to 2014, EPA Region 10 and EPA's Office of Water worked with ORD in developing the Bristol Bay Watershed Assessment. ORD's experience and understanding of the watershed and potential impacts that could occur during mining will provide needed support to EPA Region 10's NEPA/permit review team in several key areas.

The key areas where we are requesting support are identified below.

Specialty	Summary of Assistance Requested	ORD staff requested
Fisheries	Provide advice to EPA's team on fisheries issues Provide input into EIS scoping letter Review baseline data Recommend aquatic resources impact assessment methodologies Participate in fisheries technical working group Review and provide comments on fisheries sections of the EIS	Joe Ebersole
Hydrology	Provide advice to EPA's team on hydrology issues Review groundwater and surface water hydrology baseline data Recommend impact assessment methodologies and modelling approaches and review results Participate in hydrology technical working group Review and provide comments on hydrology sections of the EIS	The ORD hydrologist that assisted with the Bristol Bay watershed assessment has retired. We do need support in this area and request that ORD identify individuals that can assist.
Transportation	Provide advice to EPA's team on transportation issues Review and provide comments on transportation sections of the EIS	Michael Kravitz

Coordination	Participate in monthly Pebble NEPA/permit team to assist with coordinating ORD support Potentially review sections of the EIS	Kate Schofield
--------------	--	----------------

In terms of timing, we are requesting ORDs immediate assistance to help with baseline data review and development of EPA's EIS scoping letter. We expect that assistance will be needed throughout the EIS process, with times of intense activity when documents are being reviewed and times with very little activity. The EIS process will take at least two years. There may be additional areas where we need support as the EIS process moves forward.

Please let me know if you need additional information.
Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/26/2018 5:50:40 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Review of Pebble section 3.1
Attachments: Comments Section 4.1_PM and CG.docx

Hi Molly-

This email provides you with some updates and comments.

Deliberative Process / Ex. 5

Pebble permit team meeting - we had a good team meeting yesterday though not everyone was able to attend. I did commit to us sending to the team: (1) the PP presentation from the CA meeting that lists the alternatives; and (2) draft Chapters 1 and 2 that Shane sent out this week – for context, but not comment. I sent #1 out yesterday. Can you send out Ch 1 and 2 to the team next week?

Deliberative Process / Ex. 5

I will be out next week, but will be able to check emails and return calls sporadically. So feel free to reach out if you want to talk.

Thanks -
Patty

From: Vaughan, Molly
Sent: Thursday, October 25, 2018 12:05 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Review of Pebble section 3.1

Hi Patty –

As you are working through your own review of the draft sections due next week, I wanted to share my comments so far as well. I have reviewed Sections 3.5, 4.5, and 3.1 so far, and will get to 4.1 on Monday.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Thanks,
Molly

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/26/2018 6:52:26 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Wake, Neverley [wake.neverley@epa.gov]; Barbara Butler (Butler.Barbara@epa.gov) [Butler.Barbara@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 9/27/2018 8:00:00 PM
End: 9/27/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Hi all- Here is the agenda for our meeting tomorrow. Feel free to suggest additional topics

AGENDA

- Litigation hold
- NEPA documents under review
 - o Alternatives
- Schedule for upcoming document reviews
- Additional topics

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/13/2018 3:04:58 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]
Subject: RE: Bristol Bay Check-in 8/14 Draft Agenda

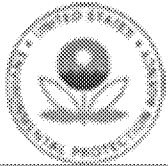
Looks good to me.

From: Peterson, Erik
Sent: Friday, August 10, 2018 1:54 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Bristol Bay Check-in 8/14 Draft Agenda

Patty,

What do you think of the following draft agenda for the check-in with Linda on 8/14?

- Preliminary EIS document review
- FOIA
- De Fazio response
- OGC clerk legal memo



Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140
(206) 553-6382

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/26/2018 6:52:24 PM
To: Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]
Subject: Canceled: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 9/27/2018 8:00:00 PM
End: 9/27/2018 9:00:00 PM
Show Time As: Free
Importance: High
Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Hi all- Here is the agenda for our meeting tomorrow. Feel free to suggest additional topics

AGENDA

- Litigation hold
- NEPA documents under review
 - o Alternatives
- Schedule for upcoming document reviews
- Additional topics

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/26/2018 5:38:18 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: pebble team meeting

Hi Molly –

I am thinking of an agenda for the team meeting tomorrow.

Please let me know if you have anything to add to the topics below. Also, please give me a quick call if you have time today or tomorrow morning regarding the alternatives review.

- Litigation hold
- NEPA documents
 - o Alternatives
- Schedule for upcoming document reviews

Thanks-Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/26/2018 3:47:59 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 4/26/2018 8:00:00 PM
End: 4/26/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Here is agenda for our team meeting today. Please let me know if you have additional items:

Status of scoping letter – Molly
Scoping meetings – Molly, Neverley, Patty
ORD support – Patty
Next steps

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/24/2018 3:37:35 PM
To: Godsey, Cindi [Godsey.Cindi@epa.gov]
Subject: RE: Pebble Concentrate Pipeline

Ok.

From: Godsey, Cindi
Sent: Monday, September 24, 2018 8:35 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: Pebble Concentrate Pipeline

Apparently my meeting update didn't go through. I will call you at 10 because I am working at home today so no need to use the conference room.

-----Original Appointment-----

From: McGrath, Patricia
Sent: Monday, September 24, 2018 8:07 AM
To: Godsey, Cindi
Subject: Accepted: Pebble Concentrate Pipeline
When: Monday, September 24, 2018 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-19C-OWW/R10-Rooms-Restricted

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/13/2018 7:25:11 PM
To: Mark Douglas (douglas.mark@epa.gov) [douglas.mark@epa.gov]
Subject: FW: Pebble EIS: Cooperating Agency Timelines

-----Original Message-----

From: POA Special Projects [mailto:poaspecialprojects@usace.army.mil]
Sent: Thursday, July 12, 2018 3:16 PM
To: bob1@jadenorth.com; Brooke Merrell <brooke_merrell@nps.gov>; Curyung Tribal <courtenay@curyungtribe.com>; 'cvaughn@achp.gov' <cvaughn@achp.gov>; Daugherty, Linda (PHMSA) <linda.daugherty@dot.gov>; David Seris (David.M.Seris@uscg.mil) <David.M.Seris@uscg.mil>; Douglass Cooper <douglass_cooper@fws.gov>; Hassell, David (PHMSA) <david.hassell@dot.gov>; John Eddins <jeddins@achp.gov>; Kevin Pendegast <kevin.pendegast@bsee.gov>; 'mary_colligan@fws.gov' <mary_colligan@fws.gov>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>; McCall, John <john.mccall@bsee.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Moselle, Kyle W (DNR) <kyle.moselle@alaska.gov>; manager@lakeandpen.com; POA Special Projects <poaspecialprojects@usace.army.mil>; nondaltontribe@yahoo.com; Wesley Furlong <wfurlong@narf.org>
Subject: FW: Pebble EIS: Cooperating Agency Timelines

All,
Here is a quick look at the anticipated dates for CA engagements/deliverables/meetings. I will be sending draft CH 4 in a few minutes

Shane

Scoping Report

Distributed July 25, 2018

List of Potential Alternatives

Distributed August 14 (may be sooner, but plan on short turn)

Meeting with CAs on Alternatives

August 22

Pre-Draft Chapter 4

Distributed July 12

CAs assist with Chapter 4 Impact Analysis

October 1 to 30

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/25/2018 3:51:40 PM
To: Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]
Subject: RE: Bristol Bay Check-in

Hi Suzanne-

You can do either. I forwarded to you the invite for the meeting tomorrow in case that works for your schedule.
Patty

From: Skadowski, Suzanne
Sent: Wednesday, April 25, 2018 8:34 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: Bristol Bay Check-in

Hi Patty,

I'd like an overall update on the NEPA/permitting from your perspective, would it be easiest to sit in on your meeting tomorrow or just catch up at our next update to David?
No biggie, thanks.

Suzanne Skadowski

Public Affairs | Media Relations Specialist
U.S. Environmental Protection Agency
Region 10 Pacific Northwest - Seattle
O: 206-553-2160 C: 206-900-3309
Twitter: [@EPAnorthwest](https://twitter.com/EPAnorthwest)
Facebook: [@eparegion10](https://facebook.com/eparegion10)

From: McGrath, Patricia
Sent: Wednesday, April 25, 2018 8:32 AM
To: Allnutt, David <Allnutt.David@epa.gov>
Cc: R10-OERA Calendar <R10-OERA_Calendar@epa.gov>; Lindsay, Andrea <Lindsay.Andrea@epa.gov>; Skadowski, Suzanne <Skadowski.Suzanne@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Nalven, Heidi <Nalven.Heidi@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Combes, Marcia <Combes.Marcia@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>
Subject: RE: Bristol Bay Check-in

Hi David-

Since the primary purpose of this meeting is to update you, I recommend canceling the meeting. The 404 team met yesterday and our NEPA/permitting team is meeting tomorrow. Jill is informed on the status of the scoping letter. I am planning to send a cancellation for this meeting only, unless I hear otherwise.
Patty

From: Allnutt, David

Sent: Tuesday, April 24, 2018 6:46 PM

To: McGrath, Patricia <mcgrath.patricia@epa.gov>

Cc: R10-OERA Calendar <R10-OERA_Calendar@epa.gov>; Lindsay, Andrea <Lindsay.Andrea@epa.gov>; Skadowski, Suzanne <Skadowski.Suzanne@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Nalven, Heidi <Nalven.Heidi@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Combes, Marcia <Combes.Marcia@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>

Subject: Re: Bristol Bay Check-in

Patty - I've had a couple things come up and will not be able to attend this tomorrow. Please proceed without me. Will try to catch up on these topics with folks individually as needed.

Sent from my iPhone

On Apr 24, 2018, at 3:48 PM, McGrath, Patricia <mcgrath.patricia@epa.gov> wrote:

All –

Here is a proposed agenda for the 4/25 BB check-in call

- FOIA – Ashley
- Docket – Ashley
- Summary of Lee Forsgren Meeting – Palmer
- Scoping meetings – Molly and Patty
- Status of scoping letter – Molly and Patty
- Status of ORD support – Patty

And, FYI, ADNR recently (4/19) issued the Miscellaneous Land Use Permit for PLP's care/maintenance, reclamation, and ongoing exploration/data collection activities for 2018.

http://dnr.alaska.gov/mlw/mining/largemine/pebble/pdf/A20186118_FINAL_PACKAGE.pdf

-----Original Appointment-----

From: R10-OERA Calendar

Sent: Monday, February 5, 2018 10:13 AM

To: R10-OERA Calendar; Lindsay, Andrea; Skadowski, Suzanne; Nogi, Jill; Peterson, Erik; Nalven, Heidi; Fordham, Tami; Allnutt, David; Anderson-Carnahan, Linda; McGrath, Patricia; Palomaki, Ashley; Steiner-Riley, Cara; LaCroix, Matthew; Vaughan, Molly; Hough, Palmer; Combes, Marcia; Szerlog, Michael; Mendelman, Krista

Subject: Bristol Bay Check-in

When: Wednesday, April 25, 2018 9:00 AM-10:00 AM (UTC-08:00) Pacific Time (US & Canada).

Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Conference Line/Code / Ex. 6

Conference Line/Code / Ex. 6

Conference Line/Code / Ex. 6

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/26/2018 9:45:49 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: REVIEW REQUEST and additional documents loaded to Sharepoint

Hi Molly-

Deliberative Process / Ex. 5

Please let me know if you have questions.
Patty

From: Vaughan, Molly
Sent: Thursday, June 7, 2018 12:13 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>; Muche, Muluken <Muche.Muluken@epa.gov>
Subject: REVIEW REQUEST and additional documents loaded to Sharepoint

Hello Team,
The Corps distributed some additional information to cooperating agencies related to yesterday's Cooperating Agency meeting here in Anchorage, and I have added these materials to the Sharepoint site, in the "Materials for 6-6-18 Cooperating Agency Meeting" folder. Most of the information is for awareness only, but our review has been requested on two items:

- 1) the Preliminary Scoping Report

Internal Website/ Ex. 6

- 2) selected sections of Pre-Draft Chapter 3

Internal Website / Ex. 6

Your review is being requested on specific materials (listed below), but feel free to also review the remainder of the materials if you wish.

- Preliminary Scoping Report: **Molly/Patty** – comments due to Molly **June 20**
This document addresses scoping comments received to date, but will be updated following the close of the public scoping period.
- Pre-Draft Chapter 3 Sections – comments due to Molly **June 25** (specific section assignments below)
These documents are first drafts of each resource section Affected Environment, and will also be updated following the close of public scoping and based on cooperating agency input. It is not clear whether cooperators will have an opportunity to review a second iteration prior to publication of the Draft EIS, so a thorough review at this stage is critical.

The Corps has requested that our review focus on what is missing or any inaccuracies (don't worry about formatting, grammar, etc.). Where we identify something missing/innacurate, we are asked to be very specific in our recommendation. If you identify missing information in your review, first check the RFIs and Responses to Date

Internal Website/ Ex. 6

If there is a RFI/response that addresses your concern, then please note that in your comment. If not, then please include in your comment: (1) the information gap, (2) a reference where additional information can be found, and (3) what from that reference should be added, with as much specificity as possible – suggested text would be helpful.

Please identify the sub-section and page number for each of your comments.

Here are specific assignments for the review request. Most sections include a word document as well as some associated figures in pdf form.

- 3.1 Intro – **Molly**
- 3.5 Recreation – **Mark/Palmer/Molly**
- 3.11 Aesthetics – **Mark/Palmer/Molly**
- 3.14 Soils – **Mark/Palmer**
- 3.16 Surface Water Hydrology (note, we received figures but not text, and are following up) – **Tim/Mark/Palmer/Muluken**
- 3.17 Groundwater Hydrology – **Tim/Mark/Palmer/Muluken**
- 3.18 Water and Sediment Quality – **Cindi/Tim/Chris**
- 3.22 Wetlands/ Special Aquatic Sites – **Mark/Palmer**
- 3.26 Vegetation (note, we received figures but not text, and are following up) – **Mark/Palmer**

Please let me know if you have any questions. Thank you for your assistance with this review.

Regards,
Molly

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)

~~~~~

From: Vaughan, Molly

Sent: Thursday, May 24, 2018 2:47 PM

To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Meade, Christopher <Meade.Chris@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>

Subject: RE: Pebble NEPA/permitting team - documents for awareness review

Hi All,

All of the materials received from the Corps to date are now on the Sharepoint site, in a folder labeled "Materials for 6-6-18 Cooperating Agency Meeting," for your perusal if interested.

Internal Website / Ex. 6

Regards,

Molly

From: McGrath, Patricia

Sent: Friday, May 18, 2018 11:29 AM

To: Vaughan, Molly <Vaughan.Molly@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Meade, Christopher <Meade.Chris@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>

Subject: Pebble NEPA/permitting team - documents for awareness review

Pebble NEPA/permitting team –

The Corps has started sending us, and other cooperating agencies, information generated by PLP and the third-party EIS contractor (AECOM). This information includes AECOM's requests (to PLP) for additional information (RFAs) and PLP's responses. The Corps has begun adding these RFAs to the public EIS website. Molly and I will add this information to our SharePoint site as well.

The Corps has submitted this information to us and requested an awareness review, but is not requesting written comments.

For now, I want to bring your attention to two documents, attached:

1 – PLP Updates to the Proposed Project - PLP has made some updates to the project description. Please review this document so that you are aware of the changes.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 6

2 – PLP Technical Note on Project Options and Screening Criteria – This document summarizes screening criteria and options used by PLP to develop its current project description. I expect the Corps will consider this information during alternatives development. Please review this document for awareness.

We will discuss these documents during our next team meeting on May 24, and I can provide more context. In the meantime, please let me know if you have questions.

Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/10/2018 5:32:24 PM
To: Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]
Subject: FW: McGrath, Patricia has shared 'oera'

From: McGrath, Patricia [mailto:no-reply@sharepointonline.com]
Sent: Friday, August 10, 2018 10:14 AM
To: Nogi, Jill <nogi.jill@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>
Cc: McGrath, Patricia <m McGrath, Patricia has shared 'oera'

Hi Jill and Tim. This folder contains some of the slides from the most recent pebble briefing (last month). Focus is on the current project description and nepa status. Also folder has a few people pictures from the site visit. I have many other pictures but am hoping that Tims pictures are better (he had the better camera and helicopter seat). Patty

Go to oera



Get the SharePoint mobile app!



Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/25/2018 3:49:23 PM
To: Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]

Subject: FW: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 4/26/2018 8:00:00 PM
End: 4/26/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

-----Original Appointment-----

From: McGrath, Patricia
Sent: Thursday, February 15, 2018 10:54 AM
To: McGrath, Patricia; Molly Vaughan (Vaughan.Molly@epa.gov); Matthew LaCroix (LaCroix.Matthew@epa.gov); Christopher Meade (Meade.Chris@epa.gov); Cindi Godsey (Godsey.Cindi@epa.gov); Karl Pepple (Pepple.Karl@epa.gov); Jay McAlpine (McAlpine.Jay@epa.gov); Ashley Palomaki (Palomaki.Ashley@epa.gov); Neverley Shoemake (shoemake.neverley@epa.gov); Palmer Hough (Hough.Palmer@epa.gov); Timothy Maley (maley.timothy@epa.gov); Chris Eckley (Eckley.Chris@epa.gov)
Subject: Pebble permit oversight/NEPA team
When: Thursday, April 26, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/25/2018 3:48:00 PM
To: Marshall, Vanessa [marshall.vanessa@epa.gov]
Subject: FW: Bristol Bay Check-in

Hi Vanessa –

Can you send out a cancellation notice for the Bristol Bay check-in meeting scheduled for 9 am today?

Please cancel this meeting only, not the entire series.

David cannot make the meeting and I have heard from others that there is not a need to meet.

Please let me know if you have questions.

Thanks - Patty

From: Allnutt, David
Sent: Tuesday, April 24, 2018 6:46 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: R10-OERA Calendar <R10-OERA_Calendar@epa.gov>; Lindsay, Andrea <Lindsay.Andrea@epa.gov>; Skadowski, Suzanne <Skadowski.Suzanne@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Nalven, Heidi <Nalven.Heidi@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>; Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Combes, Marcia <Combes.Marcia@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Mendelman, Krista <Mendelman.Krista@epa.gov>
Subject: Re: Bristol Bay Check-in

Patty - I've had a couple things come up and will not be able to attend this tomorrow. Please proceed without me. Will try to catch up on these topics with folks individually as needed.

Sent from my iPhone

On Apr 24, 2018, at 3:48 PM, McGrath, Patricia <mcgrath.patricia@epa.gov> wrote:

All –

Here is a proposed agenda for the 4/25 BB check-in call

- FOIA – Ashley
- Docket – Ashley
- Summary of Lee Forsgren Meeting – Palmer
- Scoping meetings – Molly and Patty
- Status of scoping letter – Molly and Patty
- Status of ORD support – Patty

And, FYI, ADNR recently (4/19) issued the Miscellaneous Land Use Permit for PLP's care/maintenance, reclamation, and ongoing exploration/data collection activities for 2018.

http://dnr.alaska.gov/mlw/mining/largemine/pebble/pdf/A20186118_FINAL_PACKAGE.pdf

-----Original Appointment-----

From: R10-OERA Calendar

Sent: Monday, February 5, 2018 10:13 AM

To: R10-OERA Calendar; Lindsay, Andrea; Skadowski, Suzanne; Nogi, Jill; Peterson, Erik; Nalven, Heidi; Fordham, Tami; Allnutt, David; Anderson-Carnahan, Linda; McGrath, Patricia; Palomaki, Ashley; Steiner-Riley, Cara; LaCroix, Matthew; Vaughan, Molly; Hough, Palmer; Combes, Marcia; Szerlog, Michael; Mendelman, Krista

Subject: Bristol Bay Check-in

When: Wednesday, April 25, 2018 9:00 AM-10:00 AM (UTC-08:00) Pacific Time (US & Canada).

Where: R10Sea-Room-14Elwha/R10-Rooms-Service-Center; Conference Line: 206-800-4483, Code: 1465518

Conference Line/Code / Ex. 6

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/15/2018 12:15:39 AM
To: Hood, Lynne [Hood.Lynne@epa.gov]
CC: Peterson, Erik [Peterson.Erik@epa.gov]
Subject: RE: ET mining subgroup updates

Thanks!

From: Hood, Lynne
Sent: Thursday, May 10, 2018 12:22 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Peterson, Erik <Peterson.Erik@epa.gov>
Subject: RE: ET mining subgroup updates

Hi Patty,

Non-Responsive: Unrelated to Bristol Bay/Pebble

Thanks!

Lynne Ann Hood
Environmental Scientist, NEPA Review
EPA R10- Idaho Operations Office
950 W Bannock Street, Suite 900
Boise, Idaho 83702

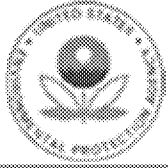
Phone: 208-378-5757

From: Peterson, Erik
Sent: Thursday, May 10, 2018 10:56 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Hood, Lynne <Hood.Lynne@epa.gov>
Subject: RE: ET mining subgroup updates

Patty,

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 155
Seattle, Washington 98101-3140



From: McGrath, Patricia
Sent: Thursday, May 10, 2018 8:44 AM
To: Hood, Lynne <Hood.Lynne@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>
Subject: ET mining subgroup updates

Hi Lynne and Erik –

I am preparing my regular update for the mining ET subgroup. Could you please revise the entries in the table below for

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

If so, please add to the

Please send me updates by noon tomorrow.

Call if you have questions.

Thanks - Patty

Mine Project	Programs	Update
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine		
Pebble (AK)	NEPA (CA) 404 NPDES (o/s) Air (o/s)	<ul style="list-style-type: none">- Proposal to withdraw 404(c) determinations was suspended in February 2018- EIS scoping period ends June 29; scoping letter under development
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine		

Mine Project	Programs	Update
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine		
CA – EPA is a cooperating agency in EIS development o/s - oversight		

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/5/2018 8:30:28 PM
To: Palomaki, Ashley [Palomaki.Ashley@epa.gov]
CC: Peterson, Erik [Peterson.Erik@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: Re: Bristol Bay Allnutt Check in - 11/6/18 Draft Agenda

Hi Erik

Molly and I are at the AMA conference tomorrow. However I can still call in and will plan to do so. Agenda looks fine.
Patty

Sent from my iPhone

On Nov 4, 2018, at 8:13 PM, Palomaki, Ashley <Palomaki.Ashley@epa.gov> wrote:

I don't have any additional agenda items.

Ashley Palomaki

Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: Peterson, Erik
Sent: Friday, November 02, 2018 4:31 PM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Bristol Bay Allnutt Check in - 11/6/18 Draft Agenda

Patty, Ashley, and Molly,

I propose we keep the Allnutt check-in for 11/6 at 9 am. Please send your feedback/suggestions on this draft agenda by mid-day 11/5. Thank you!

Agenda

404(c)

FOIA – HQ role in FOIA responsibilities

Permit Oversight/ NEPA Review Team

NEPA Review

<image001.jpg>

Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue
Mail Code: OERA-140
Seattle, Washington 98101
(206) 553-6382

.....

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/24/2018 3:32:47 PM
To: Duncan, Bruce [Duncan.Bruce@epa.gov]
CC: David Allnutt (Allnutt.David@epa.gov) [Allnutt.David@epa.gov]; Jill Nogi (nogi.jill@epa.gov) [nogi.jill@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: RE: ORD support for Pebble EIS
Attachments: ORD Regional Decision Support Request_PebbleEIS_April2018.docx

Hi Bruce-

Attached is the completed form. Please let me know if you need more information.

We would like some immediate assistance from Joe Ebersole to help us with scoping comments (due before the end of June) if that can be arranged.

Thanks-

Patty

From: Duncan, Bruce
Sent: Monday, April 23, 2018 4:21 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Hagerthey, Scot <Hagerthey.Scot@epa.gov>
Subject: RE: ORD support for Pebble EIS

Thanks Patti,

Here is a link to the form that OSP uses (from the R10 Science Steering Council SharePoint)

SUBMIT A TECHNICAL SUPPORT REQUEST:

Request Form - this form (Click [HERE](#)) is submitted to OSP who will help find the ORD support if available.

The form is pretty simple – if you need help I can arrange the information you provided into the desired format:

ORD Regional Decision Support Request	
Initiating Region and Division Region 10	Date
Contact Information Name: Phone Number: Email:	
Project Title	
Type of Scientific Support Requested <input type="checkbox"/> Consultative advice <input type="checkbox"/> Workgroup/seminar/committee participation	

<input type="checkbox"/> Document review Other (please specify)
Description of Science Need – One-time request <u>Background & Problem.</u> <u>Assistance Needed/Research Steps</u>
Project Milestones and Due Date
Estimated number of hours required to complete request <input type="checkbox"/> 1 – 4 hours <input type="checkbox"/> 8 – 16 hours <input type="checkbox"/> 4 – 8 hours <input type="checkbox"/> >16 hours If >16, please provide an estimate of the hours needed
Type of expertise needed (e.g., human health risk assessment, aquatic toxicology)
Have you worked with ORD scientists on this project previously? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please list the names of the scientists.
Regional Priority (To be completed by Regional Science Liaison – Bruce Duncan) <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low

From: McGrath, Patricia

Sent: Monday, April 23, 2018 1:46 PM

To: Duncan, Bruce <Duncan.Bruce@epa.gov>

Cc: Allnutt, David <Allnutt.David@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>;

Hagerthey, Scot <Hagerthey.Scot@epa.gov>

Subject: ORD support for Pebble EIS

Hello Bruce-

Last week I spoke with Scot Hagerthey regarding ORD support for our cooperating agency participation in the Pebble EIS. He acknowledged that ORD folks are interested and available and requested that I send the request for ORD support through you. Can you let me know how you like to see these requests. Is an email from me sufficient? Following is the support that is needed.

Request for ORD Support for Pebble Environmental Impact Statement

The US Army Corps of Engineers is the lead agency in developing an EIS for the Pebble Mine Project in Alaska. The Corps invited EPA to be a cooperating agency to assist the Corps in developing sections of the EIS. In addition, EPA is responsible for reviewing the Draft EIS and the public notice for the CWA 404 permit application. EPA Region 10 has put together a team to accomplish these responsibilities. There are several areas where EPA is requesting support from ORD to bolster EPA's review team and also benefit from ORD's past work in the Bristol Bay watershed where the mine project is located. From 2011 to 2014, EPA Region 10 and EPA's Office of Water worked with ORD in developing the Bristol Bay Watershed Assessment. ORD's experience and understanding of the watershed and potential impacts that could occur during mining will provide needed support to EPA Region 10's NEPA/permit review team in several key areas.

The key areas where we are requesting support are identified below.

Specialty	Summary of Assistance Requested	ORD staff requested
Fisheries	Provide advice to EPA's team on fisheries issues Provide input into EIS scoping letter Review baseline data Recommend aquatic resources impact assessment methodologies Participate in fisheries technical working group Review and provide comments on fisheries sections of the EIS	Joe Ebersole
Hydrology	Provide advice to EPA's team on hydrology issues Review groundwater and surface water hydrology baseline data Recommend impact assessment methodologies and modelling approaches and review results Participate in hydrology technical working group Review and provide comments on hydrology sections of the EIS	The ORD hydrologist that assisted with the Bristol Bay watershed assessment has retired. We do need support in this area and request that ORD identify individuals that can assist.
Transportation	Provide advice to EPA's team on transportation issues Review and provide comments on transportation sections of the EIS	Michael Kravitz
Coordination	Participate in monthly Pebble NEPA/permit team to assist with coordinating ORD support Potentially review sections of the EIS	Kate Schofield

In terms of timing, we are requesting ORDs immediate assistance to help with baseline data review and development of EPA's EIS scoping letter. We expect that assistance will be needed throughout the EIS process, with times of intense activity when documents are being reviewed and times with very little activity. The EIS process will take at least two years. There may be additional areas where we need support as the EIS process moves forward.

Please let me know if you need additional information.
Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 6/30/2018 3:04:10 AM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Vaughan, Molly has shared 'Pre Draft Ch3 comments draft 062818'

Hi Molly-

Today was a busy day for me.

I got through section 3.17 of the comment compilation. I will finish on Monday morning. I made my edits in track changes and will be happy to discuss with you if you have questions.

Patty

From: Vaughan, Molly [mailto:no-reply@sharepointonline.com]
Sent: Thursday, June 28, 2018 4:51 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Vaughan, Molly has shared 'Pre Draft Ch3 comments draft 062818'

Here's the document that Vaughan, Molly shared with you.

Open Pre Draft Ch3 comments draft 062818.docx

See more related to Vaughan, Molly in Delve.



Get the SharePoint mobile app!



Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 7/13/2018 7:06:25 PM
To: Erik Peterson (Peterson.Erik@epa.gov) [Peterson.Erik@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]
Subject: BB presentation materials for AOO director
Attachments: BB Presentation_AOO_20180713.pptx; Bristol Bay Script - AOO briefing_20180713.docx

Hi Erik and Ashley –

Attached is the updated BB presentation and script for the briefing with Sue on July 23. I revised the script in track changes.

Please let me know if you have any comments by COB Monday July 16 so that I can revise and finalize on Tuesday. I will be out of the office next Wednesday through Friday.

Also, Erik can you try to find a Seattle conference room for the briefing? Sue will be here in person.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

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Cell: (206) 743-7068

mcgrath.patricia@epa.gov

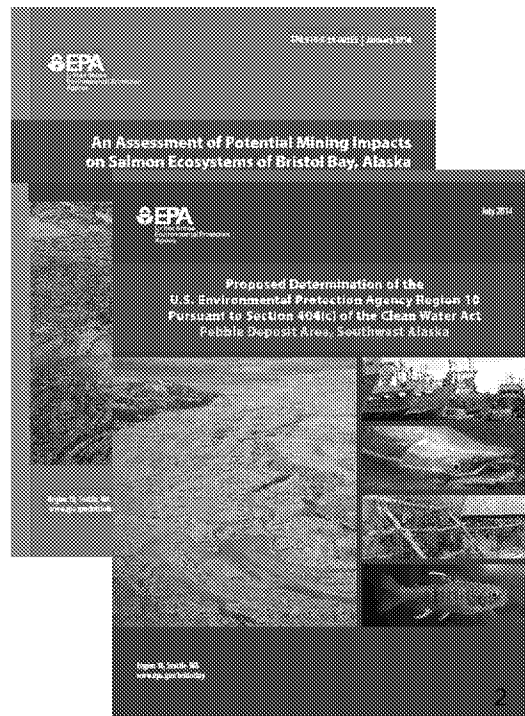
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EPA's Work in the Bristol Bay Watershed

Presentation for Alaska Operations Office Director
July 23, 2018



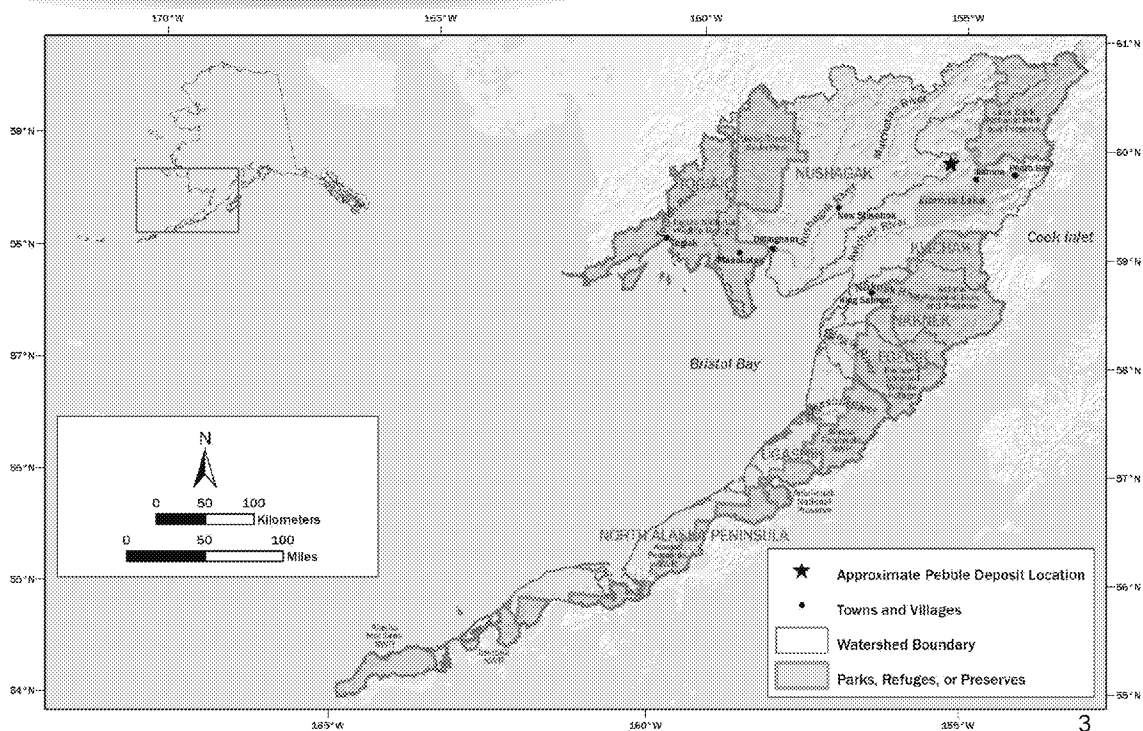
- EPA's Involvement History
- Science
- Section 404(c) Regulatory Response
- Section 404 Permitting and NEPA



Bristol Bay Watershed



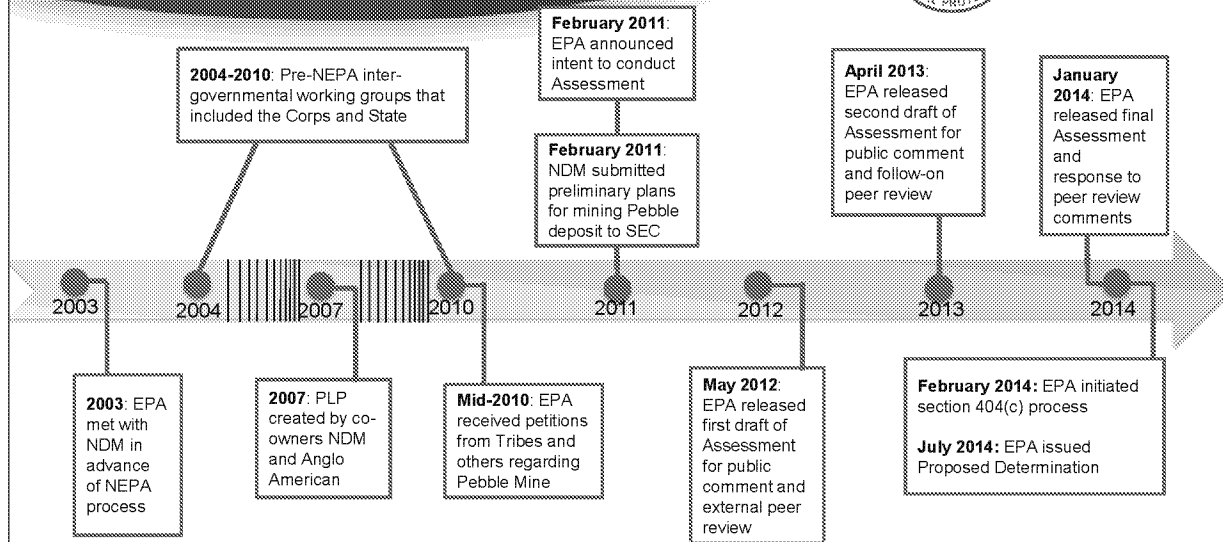
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Timeline 2003 - 2014



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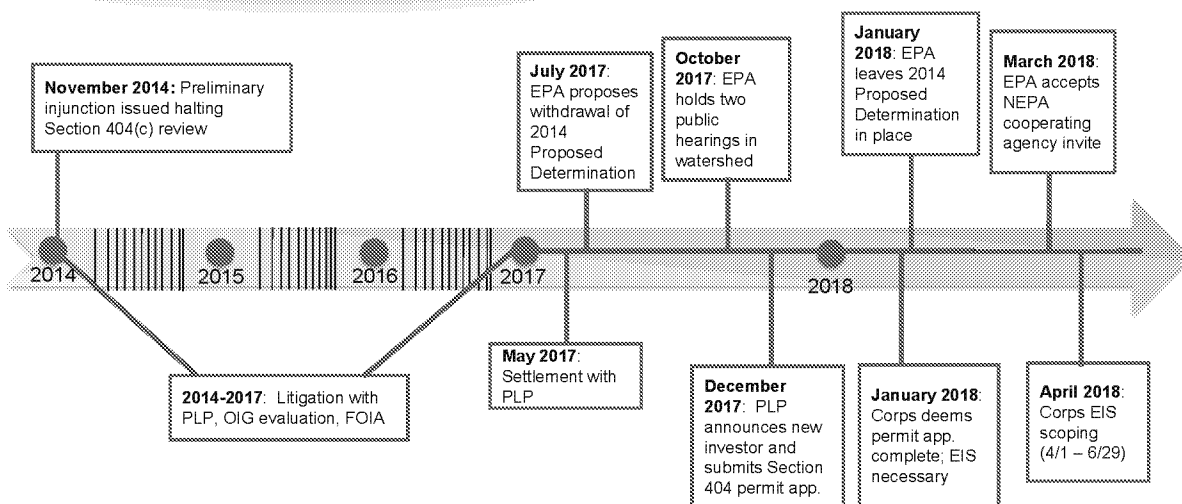


NDM = Northern Dynasty Minerals Ltd.
PLP = Pebble Limited Partnership
NEPA = National Environmental Policy Act
SEC = U.S. Securities and Exchange Commission

Timeline 2014 - Present



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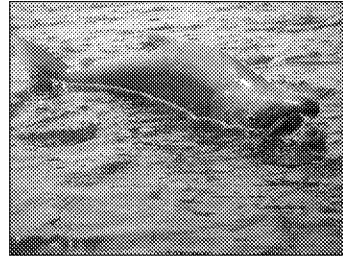
OIG = EPA Office of Inspector General
 PLP = Pebble Limited Partnership
 Corps = U.S. Army Corps of Engineers
 EIS = Environmental Impact Statement

Bristol Bay Watershed Assessment



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- **Purpose:**
 - Characterize the biological and mineral resources of the Bristol Bay watershed
 - Increase understanding of the potential impacts of large-scale mining on the region's fish resources
 - Inform future decision-making
- **Scientific Ecological Risk Assessment evaluating potential impacts associated with:**
 - Large-scale mine construction and operation
 - Accidents and failures
- **Three-year scientific assessment effort**
 - Independent external peer review
 - Stakeholder and public engagement
 - 8 public meetings
 - 2 rounds of public comment – over 1.1 million comments
 - Tribal consultations



Bristol Bay Watershed Resources



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Biological Resources:

- Bristol Bay produces almost half of world's sockeye salmon
- Kvichak watershed world's largest producer of sockeye salmon
- Nushagak watershed frequently at or near world's largest producer of Chinook salmon

Biological Resources Support:

- 14,000 jobs, generates \$480 million annually in direct economic expenditures and sales
 - Salmon fishery valued at \$1.5 billion annually
- 4,000-year-old subsistence fishery for Alaska Natives

Geological Resources:

- At least 10 claims with more than minimal exploration, including Pebble.
- Pebble deposit: low-grade, with copper, gold, and molybdenum
- According to NDM, Pebble could:
 - Be largest mine of its type in North America
 - Produce 3,000 jobs in AK
 - Contribute \$2.7 billion to US GDP annually
- Economics of mining the Pebble deposit are speculative
- Since 2001, four major mining companies have walked away from Pebble project

Bristol Bay Watershed Assessment



- Mining scenarios informed by NDM plans submitted to U.S. Securities and Exchange Commission (SEC) in 2011
- Uses 3 potential stages of mine development at Pebble deposit
 - 0.25-billion-ton mine (worldwide median size porphyry copper deposit)
 - 2.0-billion-ton mine (smallest mine size proposed by NDM to SEC)
 - 6.5-billion-ton mine (largest mine size proposed by NDM to SEC)
- NDM says deposit is nearly 12 billion tons

Bristol Bay Watershed Assessment



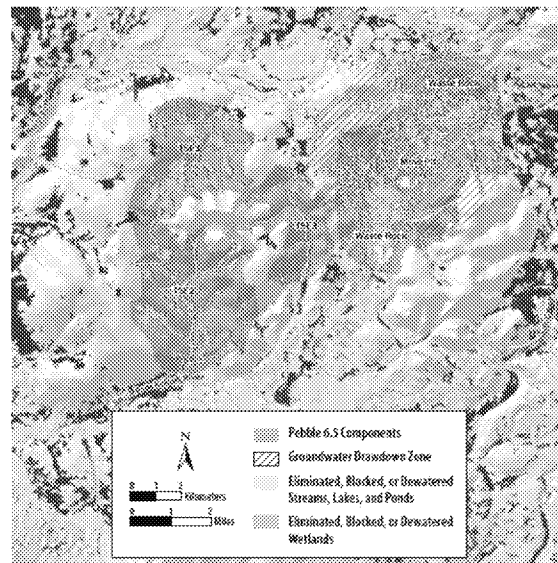
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Mine Footprint Impacts:

- 24-94 miles of salmon-supporting streams destroyed
- 1,300-5,350 acres of wetlands, ponds, lakes destroyed
- 9-33 miles of salmon-supporting streams with altered streamflow likely to affect ecosystem structure and function

Other Impacts:

- Tailings dams need maintenance in perpetuity
- Routine operations and accidents would increase impacts on salmon habitat quality, both at the mining site and along the 86-mile transportation corridor.





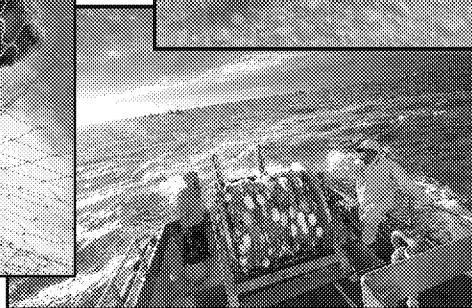
- § 404(a) authorizes the Secretary of the Army to issue **permits**
 - For the discharge of dredged or fill material into waters of the U.S. at specified disposal sites
- § 404(b) directs the Secretary of the Army to apply **environmental criteria** developed by EPA when specifying disposal sites
 - § 404(b)(1) Guidelines [40 CFR Part 230]
- § 404(c) authorizes EPA to prohibit, deny or restrict (withdraw) the placement of dredged or fill material at defined sites in waters of the U.S.

Limits of Section 404(c)



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- **Whenever** it determines, after notice and opportunity for public hearing, that the discharge of such materials into such area will have an **unacceptable adverse effect(s)** on:
 - Municipal water supplies; or
 - Shellfish beds and **fishery areas**; or
 - Wildlife; or
 - Recreation areas.



Pebble Deposit 404(c) Process



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Step 1

- 2/28/14: **Initiation by EPA Region 10 – “15-day letter”**
- Consulted with Corps, NDM/PLP, and State

Step 2

- 7/18/14: **Proposed Determination** released (PD) by EPA Region 10
- 8/12-15/14: 7 public hearings in Alaska
- > 670,000 written comments; > 99% (86% unique) supported Proposed Determination

Step 3

- EPA Region 10 will review the public comments
- EPA Region 10 will withdraw PD or prepare **Recommended Determination** (RD)

Step 4

- **Final Determination (FD) by EPA Assistant Administrator for Water**
- Consult again with Corps, NDM/PLP, and State
- Within 60 days of receipt of RD, issue FD affirming, modifying, or rescinding RD

What Are the Proposed Restrictions?



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Restrict the discharge of dredged or fill material related to mining the Pebble deposit into waters of the U.S. that would, individually or collectively, result in the following:

1. Loss of Streams.

- a. The loss of 5 or more linear miles of streams with documented anadromous fish occurrence; **or**
- b. The loss of 19 or more linear miles of streams where anadromous fish are not currently documented, but that are tributaries of streams with documented anadromous fish occurrence; **or**

2. Loss of Wetlands, Lakes, and Ponds. The loss of 1,100 or more acres of wetlands, lakes, and ponds contiguous with either streams with documented anadromous fish occurrence or tributaries of those streams; **or**

3. Streamflow Alterations. Streamflow alterations greater than 20% of daily flow in 9 or more linear miles of streams with documented anadromous fish occurrence

Response to Section 404(c) Proceeding



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- **Office of Inspector General (OIG) Review**
 - 17-month in-depth evaluation found no evidence of bias or a pre-determined outcome
 - Possible misuse of position for retired Region 10 employee noted
- **PLP broad Freedom of Information Act (FOIA) requests**
 - Approximately 18,000 documents produced
- **PLP filed three lawsuits in 2014**
 - Administrative Procedure Act (APA) challenge to initiation of 404(c) process
 - FOIA litigation
 - Federal Advisory Committee Act (FACA) litigation
- **May 2017 settlement agreement**
 - Resolved FOIA and FACA litigation and PLP's outstanding FOIA requests



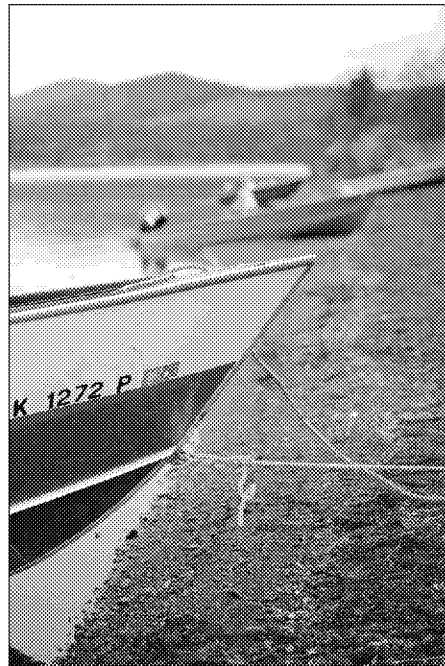
- Key terms of the May 11, 2017 settlement agreement between PLP and EPA:
 - EPA may use its Bristol Bay Watershed Assessment without limitation
 - EPA agrees to initiate a process to propose to withdraw its 2014 Proposed Determination by July 11, 2017
 - EPA agrees not to forward a Recommended Determination (the next step in the 404(c) review process) to EPA HQ until a Final EIS is noticed for the project or May 11, 2021, whichever is earlier
 - PLP drops remaining lawsuits and fee requests against EPA and agrees to file no new FOIA requests during the 2.5- to 4-year hiatus period

Proposal to Withdraw 2014 Proposed Determination



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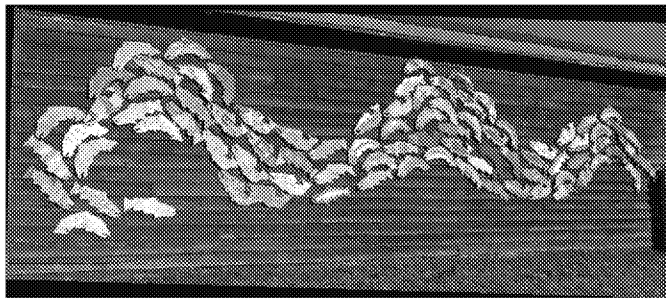
- July 2017: Withdrawal proposed based on policy rationale
 - EPA did not solicit comment on the proposed restrictions or on science or technical information underlying the Proposed Determination
- Outreach and Consultation
 - Proposal generated >1 million comments (~99% opposed)
 - 2 public hearings in watershed
 - Tribal and ANCSA Consultation
 - 16 tribal governments and 1 ANCSA Regional Corp. opposed
 - 1 tribal government and 2 ANCSA Village Corps. supported



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- In January 2018 EPA decided not to withdraw and suspended Section 404(c) process pending further review
- Settlement agreement obligations
 - EPA can issue a new/modified Proposed Determination at any time
 - EPA Region 10 cannot forward a Recommended Determination to EPA HQ until May of 2021 or until a final EIS is noticed, whichever comes first



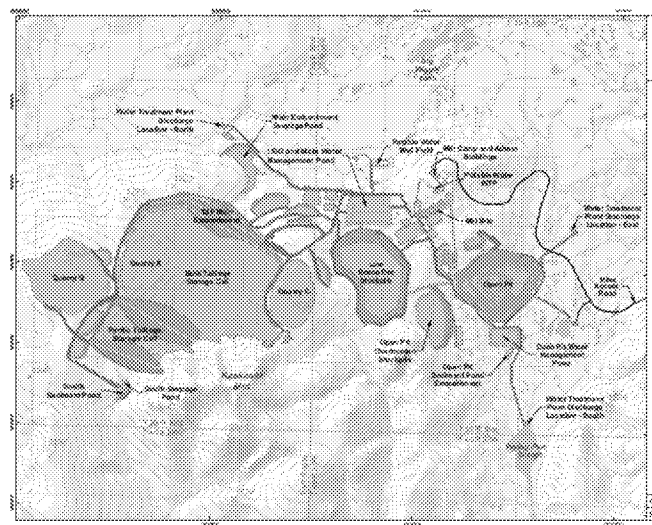


- PLP filed Department of Army (DA) permit application to the Corps in December 2017
 - Includes CWA 404 and RHA Section 10
 - Includes Project Description: mine, power supply, transportation
- Corps deemed application sufficient to begin NEPA



Pebble deposit area

- 1.1 billion tons of ore mined over 20 years
- 160,000 tons/day of ore processed to produce:
 - Copper concentrate
 - Molybdenum concentrate
 - Gold via gravity separation
- Open pit mine, ore storage pile, 2 tailings impoundments
- 2 water treatment plants and 3 discharge outfalls
- Closure
 - PAG waste rock backfilled into open pit
 - Dry closure of tailings
 - Long-term water treatment



Project Description

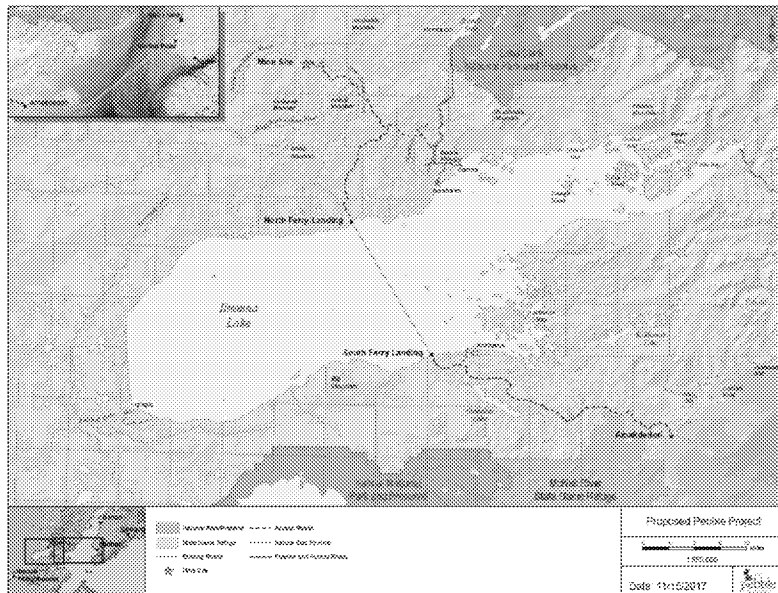


Power

- 230 MW power plant at mine site
- 188 mile natural gas pipeline

Transportation

- 65 miles of roads
- Ferry across Lake Illiamna
- Cook Inlet port site



Project Description



DRAFT

- Proposed mine is:
 - Smaller than 2011 Preliminary Assessment to SEC
 - Larger than the EPA Assessment's 0.25 billion ton mine scenario, which is the basis for the 2014 Proposed Determination

2014 Proposed Determinations
Loss of 5 or more miles of streams with anadromous fish; or
Loss of 19 or more miles of streams that are tributaries of anadromous fish streams; or
Loss of 1100 or more acres of wetlands, lakes and ponds contiguous with streams or tributaries to streams that have anadromous fish; or
Stream flow alteration > 20% of daily flow in 9 or more miles of streams with anadromous fish

2017 DA Application	
component	wetlands filled
Mine site	3190
Transportation (roads, ferry terminals, port)	480
Pipeline	408
TOTAL	4078

- Differences from 2011 Preliminary Assessment and EPA's Assessment:
 - Less waste rock mined
 - No cyanide leaching
 - Liners (pyritic tailings)
 - Advanced water treatment and "Physical Habitat Simulation System" to mitigate dewatering
 - Compensatory mitigation - TBD
- Project description could evolve during EIS and 404 review

Initial Corps NEPA & 404 Process



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- Corps issued informational Public Notice of application (January 5, 2018)
 - Did not request public comment at this time
- Corps Cooperating Agency Plan specifies agency involvement.
 - EPA's cooperating agency involvement is limited to Section 404(b)(1) issues
- EIS scoping occurred April 1 through June 29
 - EPA submitted scoping letter
- Corps is developing preliminary EIS sections
 - EPA reviewing and providing comments where requested



- Corps EIS schedule:
 - Draft EIS – January 2019
 - Final EIS – late 2019
 - Record of Decision – early 2020
- PLP has requested inclusion of the project in FAST 41 infrastructure & critical minerals streamlining

Corps' Pebble website
<https://pebbleprojecteis.com/>

NEPA Cooperating Agencies



DRAFT

- **Federal**
 - DOT Pipeline and Hazardous Materials Safety Administration
 - US Coast Guard
 - DOI Bureau of Safety and Environmental Enforcement
 - US Fish and Wildlife Service
 - National Park Service
 - Advisory Council on Historic Preservation
 - EPA
- **State**
 - Alaska Department of Natural Resources Office of Project Management and Permitting coordinates state agencies (ADNR, ADEC, ADFG, SHPO)
- **Local Governments**
 - Lake & Peninsula Borough & Kenai Peninsula Borough
- **Tribes**
 - Curyung Tribal Council
 - Nondalton Tribal Council



- EPA Role
 - NEPA
 - Cooperating agency
 - CAA 309 review of the Draft EIS
 - Clean Water Act
 - CWA 404 permit application & 404(b)(1) review
 - Oversight of State CWA 402 Alaska Pollutant Discharge Elimination System Permit
 - Clean Air Act
 - Oversight of State Air Quality Permit
- EPA has developed a cross-programmatic, multi-disciplinary team



R10 Management Team

- David Allnutt, OERA Director
- Krista Mendleman, Acting ARU Manager
- Jill Nogi, NEPA Unit Manager
- Sue Detwiler, AOO Director

CWA 404(c) Team

- Erik Peterson, Team lead
- Palmer Hough, OW
- Mark Douglas, ARU
- Ashley Palomaki, ORC
- Neverley Wake, Tribal
- Suzanne Skadowski, Press

Permit Oversight/NEPA Team

- Patty McGrath, Team lead
- Molly Vaughn, NEPA review
- Mark Douglas, ARU
- Palmer Hough, OW
- Justine Barton, ARU
- Mary Anne Theising, ARU
- Cindi Godsey, NPDES
- Jay McAlpine, Air
- Karl Pepple, Air
- Chis Eckley (geochemist), OERA
- Tim Maley (hydrogeologist), OERA
- Kate Schofeld, ORD
- Joe Ebersole (fisheries), ORD
- Muluken Muche (hydrological modelling), ORD
- Neverley Wake, Tribal
- Ashley Palomaki, ORC
- Suzanne Skadowski, Press

Questions



DRAFT



Upper Talarik Creek, one of three streams flowing from the Pebble deposit site

25

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/10/2018 10:14:33 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: ch 2
Attachments: Comment spreadsheet_PDEIS_ch2_pm.docx

Hi Molly-

Attached are my comments on Ch 2.

I see that Cindi, Barb, and Kate also sent comments. Let me know if you have questions while combining comments.

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 11/10/2018 4:44:10 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Pebble Ch. 7 and 8

Hi Molly-
I did not have any comments on these sections.
Patty

-----Original Message-----

From: Vaughan, Molly
Sent: Friday, November 9, 2018 9:48 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Pebble Ch. 7 and 8

Hi Patty - did you have any comments on Chapter 7 or 8? I believe comments are now due 11/16 based on 28 days from distribution. Ch. 7 is the list of preparers, including cooperating agency representatives. Ch. 8 is the list of organizations that copies of the EIS will be sent to. The way in which Cooperating Agencies provided their contact information for preparers is all over the board, but ours is more or less consistent with the majority.
--Molly

-----Original Message-----

From: POA Special Projects <poaspecialprojects@usace.army.mil>
Sent: Saturday, October 20, 2018 11:57 AM
To: bobl@jadenorth.com; Brooke Merrell <brooke_merrell@nps.gov>; Curyung Tribal <courtenay@curyungtribe.com>; Daugherty, Linda (PHMSA) <linda.daugherty@dot.gov>; David Seris (David.M.Seris@uscg.mil) <David.M.Seris@uscg.mil>; Douglass Cooper <douglass_cooper@fws.gov>; Hassell, David (PHMSA) <david.hassell@dot.gov>; J. Loichinger <jloichinger@achp.gov>; Joan Kluwe <joan_kluwe@nps.gov>; John Eddins <jeddins@achp.gov>; Kevin Pendegast <kevin.pendegast@bsee.gov>; 'mary_colligan@fws.gov' <mary_colligan@fws.gov>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>; McCall, John <john.mccall@bsee.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Moselle, Kyle W (DNR) <kyle.moselle@alaska.gov>; manager@lakeandpen.com; POA Special Projects <poaspecialprojects@usace.army.mil>; nondaltontribe@yahoo.com; Wesley Furlong <wfurlong@narf.org>
Cc: POA Special Projects <poaspecialprojects@usace.army.mil>; Craig, Bill <bill.m.craig@aecom.com>
Subject: please review and provide comment by 11/2/2018 (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

All,
Attached are two Word files, the review drafts of Chapter 7 and Chapter 8. There are no CAs listed as reviewers. There are no figures associated with these chapters. Please review and provide comments by 11/2/2018. Thanks.

VR

Shane McCoy
Program Manager
(907) 753-2715

CLASSIFICATION: UNCLASSIFIED

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 4/18/2018 4:39:09 PM
To: Wake, Neverley [wake.neverley@epa.gov]
Subject: RE: EPA's Pebble tribal coordinator

You are welcome. There was good connection to the Nondalton meeting on Monday so I was able to listen in. Hopefully will have the same for the scoping meeting later this afternoon.
Patty

From: Wake, Neverley
Sent: Wednesday, April 18, 2018 8:53 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: EPA's Pebble tribal coordinator

Thanks for initiating the outreach on the connection, Patty.

Neverley
(907) 271-3206

From: McGrath, Patricia
Sent: Tuesday, April 17, 2018 8:11 AM
To: McCoy, Shane M CIV USARMY CEPOA (US) <Shane.M.Mccoy@usace.army.mil>
Cc: Wake, Neverley <wake.neverley@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: EPA's Pebble tribal coordinator

Hi Shane-

As you know EPA has put together a team of folks to accomplish our cooperating agency and permit review and oversight responsibilities. Neverley Wake is the EPA tribal coordinator assigned to our Pebble team. We think it would be beneficial for Neverley to meet with the Corps' tribal coordinator/advisor. I am assuming that is Amanda. The purpose would be to meet & greet so that Amanda knows she can chat with Neverley as needed or if questions come up related to tribal issues. Are you okay with Neverley reaching out to Amanda or vice versa? I believe that Neverley will be attending at least part of the Anchorage scoping meeting.

Below is Neverley's contact information and she is cced on this email.

Wake.neverley@epa.gov
(907) 271-3206

Thanks-
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Seattle, WA 98101
M/S: RAD-202
Office: (206) 553-6113
Cell: (206) 743-7068
mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/9/2018 10:19:12 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Vaughan, Molly has shared 'Comment spreadsheet_4.18'

Hi Molly-

I just completed my review of 4.18 and included some additional comments. I think that I am all caught up now – at least with Pebble documents!

Patty

From: Vaughan, Molly [mailto:no-reply@sharepointonline.com]
Sent: Wednesday, August 1, 2018 3:23 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Vaughan, Molly has shared 'Comment spreadsheet_4.18'

And here is 4.18.

Open Comment spreadsheet_4.18.docx

See more related to Vaughan, Molly in Delve.



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Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/24/2018 2:58:10 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Pebble permit oversight/NEPA team

Hi Molly-

You can schedule an alternate time if you can find one that works better for you. I don't need to participate so long as you lead the meeting.

Patty

-----Original Appointment-----

From: Vaughan, Molly
Sent: Tuesday, October 23, 2018 10:29 AM
To: McGrath, Patricia
Subject: Tentative: Pebble permit oversight/NEPA team
When: Thursday, October 25, 2018 1:00 PM-2:00 PM (UTC-09:00) Alaska.
Where: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center

Hi Patty – I am putting this as tentative to keep it on my calendar,

Personal Matters /

Personal Matters / Ex. 6

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/24/2018 12:18:44 AM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: dry stack comments
Attachments: Comments on Dry Stack memo_BAB&PM.docx

Hi Molly-

Attached are combined comments from Barb and I. I talked to Barb about these earlier and she was fine with editing and combining.

Can you look at this quickly and send to the Corps and AECOM (Bill Craig)?

Thanks-

Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/8/2018 11:13:17 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Vaughan, Molly has shared 'Wetlands 4.22 Comment spreadsheet'

Hi Molly-

I completed my review of the section 4.22 comments. Had a few edits and an additional comment.
Patty

From: Vaughan, Molly [mailto:no-reply@sharepointonline.com]
Sent: Thursday, July 26, 2018 12:35 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Vaughan, Molly has shared 'Wetlands 4.22 Comment spreadsheet'

Hi Patty,

The Pebble Section 4.22 Wetlands comments are completed if you would like to begin your review. I will send the additional sections once they are ready -- likely mid-next week or early the following week.

Thanks,
Molly

Open Wetlands 4.22 Comment spreadsheet.docx

See more related to Vaughan, Molly in Delve.



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Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 8/8/2018 10:38:20 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: RE: Vaughan, Molly has shared 'Comment Spreadsheet Section 4.14 and 4.26'

Hi Molly –

I made some edits to the comments, primarily for consistency. I also added a few comments on section 4.1 and 4.5 to this table.

I hope to finish reviewing most of the other sections today.

Patty

From: Vaughan, Molly [mailto:no-reply@sharepointonline.com]
Sent: Wednesday, August 8, 2018 1:09 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Cc: Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: Vaughan, Molly has shared 'Comment Spreadsheet Section 4.14 and 4.26'

Hi Patty - here are the draft comments on the last two sections from Mark, for your review. Jill would also like to review the Ch 4 comments before we send them, and is available to review later this week or next, whenever you are finished.

Thanks,

Molly

Open Comment Spreadsheet Section 4.14 and 4.26.docx

See more related to Vaughan, Molly in Delve.



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Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/24/2018 4:34:56 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 5/24/2018 8:00:00 PM
End: 5/24/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Conference Line/Code / Ex. 6

Monthly Pebble permit oversight/NEPA team meeting
Agenda to be sent out before each meeting

Agenda:

Welcome Mark Douglas to the team
Status of scoping letter
Possible changes to project description
Next steps

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/23/2018 12:20:59 AM
To: Neverley Shoemake (shoemake.neverley@epa.gov) [shoemake.neverley@epa.gov]; Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]; Matthew LaCroix (LaCroix.Matthew@epa.gov) [LaCroix.Matthew@epa.gov]; Christopher Meade (Meade.Chris@epa.gov) [Meade.Chris@epa.gov]; Cindi Godsey (Godsey.Cindi@epa.gov) [Godsey.Cindi@epa.gov]; Karl Pepple (Pepple.Karl@epa.gov) [Pepple.Karl@epa.gov]; Jay McAlpine (McAlpine.Jay@epa.gov) [McAlpine.Jay@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Palmer Hough (Hough.Palmer@epa.gov) [Hough.Palmer@epa.gov]; Timothy Maley (maley.timothy@epa.gov) [maley.timothy@epa.gov]; Chris Eckley (Eckley.Chris@epa.gov) [Eckley.Chris@epa.gov]; Barbara Butler (Butler.Barbara@epa.gov) [Butler.Barbara@epa.gov]
CC: Douglas, Mark (douglas.mark@epa.gov); Kate Schofield (Schofield.Kate@epa.gov) [Schofield.Kate@epa.gov]; Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
BCC: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center [R10Sea-Room-14WallaWalla@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center
Start: 10/25/2018 9:00:00 PM
End: 10/25/2018 10:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Pebble permit team meeting

Hi all, I moved this meeting out by an hour due to a conflict that Molly and I have with another meeting. Also, note the change in meeting location (14- Walla Walla)

Conference Line/Code / Ex. 6

Agenda

- Updated project description available
- EIS section reviews
 - o Current – dry stack, intro to sections 3 and 4
 - o Upcoming – revised sections of chapters 3 and 4
- Report on 10/24 cooperating agency meeting

Appointment

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/23/2018 12:20:58 AM
BCC: R10Sea-Room-14Elwha/R10-Rooms-Service-Center [R10Sea-Room-14Elwha@epa.gov]

Subject: Canceled: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center

Start: 10/25/2018 9:00:00 PM
End: 10/25/2018 10:00:00 PM
Show Time As: Free

Importance: High

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Pebble permit team meeting

Hi all, I moved this meeting out by an hour due to a conflict that Molly and I have with another meeting. Also, note the change in meeting location (14- Walla Walla)

Conference Line/Code / Ex. 6

Agenda

- Updated project description available
- EIS section reviews
 - o Current – dry stack, intro to sections 3 and 4
 - o Upcoming – revised sections of chapters 3 and 4
- Report on 10/24 cooperating agency meeting

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/10/2018 4:30:48 PM
To: Ortiz, Michael [Ortiz.Michael@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]
CC: Murphy, Stacy [Murphy.Stacy@epa.gov]; Herbst, John [herbst.john@epa.gov]
Subject: RE: RTOC Standing Issues Table - EPA Updates by 9/12

Hi Michael –

I just wanted to let you know that I completed my updates on Pebble (NEPA) issues table per the link below.

**Non-Responsive: Unrelated to RTOC
Bristol Bay/Pebble**

Please let me know if you have questions.

Patty

From: Ortiz, Michael
Sent: Tuesday, September 4, 2018 2:22 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Shaw, Hanh <Shaw.Hanh@epa.gov>; Szelag, Matthew <Szelag.Matthew@epa.gov>; Davis, Michelle V. <Davis.MichelleV@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Bottcher, Helen <Bottcher.Helen@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: Murphy, Stacy <Murphy.Stacy@epa.gov>; Ortiz, Michael <Ortiz.Michael@epa.gov>; Herbst, John <herbst.john@epa.gov>
Subject: RTOC Standing Issues Table - EPA Updates by 9/12

Hello,

The next EPA Region 10 Tribal Operations Committee (RTOC) quarterly meeting will be held on September 18th- 20th here in the EPA Seattle Offices. Please provide any updates that you may have to the RTOC Standing Issues **by Friday, September 12st**. These updates will be shared with the RTOC electronically prior to their meeting.

The RTOC Standing Issues is available on OneDrive located at:

Internal Website/ Ex. 6

Let me know if you have any questions or need any additional information about this quarterly RTOC request.

Also, I want to take a moment to inform you that I will be officially taking over RTOC Coordinator duties for JR on October 1st. I want to announce this as you will be seeing emails from me associated with this work in the future.

Thanks for your time!

Michael Ortiz
Tribal Trust and Assistance Unit
U.S. Environmental Protection Agency, Region 10
1200 6th Ave Seattle, WA 98101
(206)553-6234

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 9/7/2018 9:55:26 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]
Subject: RE: Draft Bristol Bay Check-in Cancellation and Update

Hi Erik-

I added some info to the Permit/NEPA bullet. Molly and Ashley, feel free to add any additional edits.

Patty

From: Peterson, Erik
Sent: Friday, September 7, 2018 12:28 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: Draft Bristol Bay Check-in Cancellation and Update

Patty, Molly and Ashley,

David Allnutt is working next week but traveling on September 11th. Because he will be traveling, I propose we cancel the 9/11 BB check-in. In place of the meeting, I suggest an update that we would send to the whole invite check-in invite list. Below is a draft update, please provide feedback – ideally no later than mid-day September 10th.

Hello,

Welcome back David! Given that you are out on September 11, we are canceling the check-in and the Bristol Bay Teams have the following update for you. We plan on having the Bristol Bay Check-in on September 25th at 9:00 am PST.

Updates

Permit Oversight/ NEPA Review Team

Scoping Document

- EPA reviewed and commented on the draft scoping document that describes the significant issues raised in scoping. The final scoping document is available on the Corp's Pebble EIS website.

Preliminary EIS review

- EPA reviewed and commented on specific portions of chapter 3 (affected environment) and chapter 4 (environmental consequences) that pertain to our areas of special expertise as identified by the Corps which includes: aesthetics, surface water hydrology, groundwater hydrology, water and sediment quality, wetlands, vegetation
- The documents have many placeholders since there have been changes to the proposed action, alternatives have yet to be developed, and there are numerous substantial requests for additional information where the Corps is awaiting response from PLP.
- It is not clear whether we will be provided with another opportunity to review these chapters before the draft EIS. The Corps has indicated that there will be technical meetings in October/November to discuss comments and the impact assessment.

Alternatives

- The Corps is developing the range of alternatives to be analyzed in the EIS. We participated in a cooperating agency meeting and provided input. During the week of Sept 10, the Corps is to submit a detailed discussion of the alternatives selected for EIS review and rationale for those dismissed.

Site Visits

- July 9 – 11: CWA 404 field verification was completed by Mark Douglas
- July 31: Site visit with some of our NEPA team (Patty, Molly, Tim, Chris) to view the mine site, proposed Lake Iliamna port sites, and portions of the proposed roads.

Schedule

- The Corps Pebble EIS website identifies a draft EIS in January 2019 and a final EIS in late 2019.

404(c) Team

FOIA

- NRDC and CNN FOIA: extended until end 9/28/18 as we work on ex-Administrator's office employee non-email electronic records. Making progress.
- Trustees for Alaska FOIA: interim release of Corps equities documents on 8/31 and deadline extended until 10/31/18 to facilitate coordination between R10 and HQ on the remaining documents.

Representative DeFazio and Senator Carper letter response

- This July 2018 letter asks for Wheeler to revoke the June 2018 memo issued by Pruitt, describe his view of proper use of 404(c) and the Mingo Logan case, and, describe current and planned EPA actions regarding Pebble.
- EPA's response was uploaded to CMS for Lee F's signature on 8/27

Interest group letter to EPA

- This 9/6/18 letter to EPA from 15 interest groups (including, for example, the Competitive Enterprise Institute) urges Wheeler to rescind the proposed determination and applauds the June 2018 memo issued by Pruitt.
- If this letter is controlled for a response, HQ will share a draft with R10.

External Meetings

- Henry Darwin met with Pebble representatives the week of 8/2/18. The 404(c) Team uploaded a note of this meeting to our external meetings folder on share point.
- We want to emphasize our interest for external meetings at all levels to be recorded with: topic, date, attendees, agenda and notes.

PLP letter, memo to file

- An OGC clerk has completed a summary of court decisions on challenges to agencies withdrawing proposals.



Erik Peterson, NEPA Reviewer
 U.S. EPA, Region 10
 1200 Sixth Avenue, Suite 155
 Seattle, Washington 98101-3140
 (206) 553-6382

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/23/2018 7:46:43 PM
To: Davis, Michelle V. [Davis.MichelleV@epa.gov]
Subject: RE: Talking points for michelle Pirzadeh for June RTOC meeting

Hi Michelle-

Non-Responsive: Unrelated to Bristol Bay/Pebble

From: Davis, Michelle V.
Sent: Friday, May 18, 2018 9:45 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: Talking points for michelle Pirzadeh for June RTOC meeting

Good morning Patty;

I'm helping to pull together the talking points for the June RTOC meeting. Below are bullets you provided last time, would you like to update them? My goal is to send them out for review late next week. Michelle has asked us to format them as bullet points, so you will see they changed slightly.

Non-Responsive: Unrelated to Bristol Bay/Pebble

Non-Responsive: Unrelated to Bristol Bay/Pebble

Also, on the last call, Billy Maines, Curyung Tribal Council, asked if there were any Pebble updates, and specifically asked how is it going coordinating with the Corp. Michelle said that the timelines are challenging but we are making it work. He said that Curyung is requesting cooperating agency status, and will also continue to work with them. If there is anything you'd like to share re: Pebble, that would be appreciated.

If it works for you, I have also sent a link to update via OneDrive.

Thanks Patty.

Michelle V. Davis

US EPA Tribal Coordinator

(907) 271-3434

<https://www.epa.gov/tribal/region-10-tribal-programs>

Weave for me a garment of brightness, that I may walk at peace among the birds.

Weave for me a garment of brightness, that I may walk at peace among the grass.

M. Scott Momaday

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/23/2018 5:45:21 PM
To: Mary Thiesing (Thiesing.Mary@epa.gov) [Thiesing.Mary@epa.gov]
Subject: mine tailings comment

Hi Mary Anne –

I just wanted you to be aware that I added the following draft 404 related language to the Pebble draft scoping

Deliberative Process / Ex. 5

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 5/23/2018 3:59:15 PM
To: Davis, Michelle V. [Davis.MichelleV@epa.gov]
Subject: RE: Talking points for michelle Pirzadeh for June RTOC meeting - Reminder

Hi Michelle –

Following are updated talking points related to Pebble:

Bristol Bay Pebble: Michelle Pirzadeh (Revised and optional) Drafted for April meeting.

- On February 28, 2018, EPA suspended its process to withdraw proposed restrictions on the discharge of dredged or fill material related to mining the Pebble deposit.
- The proposed determinations are in place while EPA receives more information on the potential impacts.
- Eric Peterson is EPA's team lead for this process with Palmer Hough from EPA's Office of Water in DC.
- Pebble Limited Partnership submitted a Clean Water Act 404 permit application to the U.S. Army Corps of Engineers on December 22, 2017, which was accepted.
- The Corps started the NEPA process and will be the lead agency in developing the EIS.
- EPA is a cooperating agency in the EIS process and also has a role in reviewing the CWA 404 application and the State of Alaska's wastewater discharge and air permits.
- Tribes will have an opportunity to provide input into the EIS process during consultation meetings with the Corps and during public comment periods.
- In addition, we understand that the Corps has included two tribal governments as cooperating agencies.
- In April the Corps initiated the EIS scoping public comment period, which ends on June 29. The purpose of the scoping period is for the public to submit comments on the scope of the EIS
- (Patty McGrath is R10's point of contact related to NEPA and permitting oversight).

From: Davis, Michelle V.
Sent: Tuesday, May 22, 2018 9:24 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: Talking points for michelle Pirzadeh for June RTOC meeting - Reminder

Good morning Patty;

I'm in the final steps of drafting talking points. The RTOC team, JR, Michael and me are busy with preparations for the June RTOC meeting. As you know, transboundary mining is one of the tribes main concerns in SE. The RTOC Chair, Billy Maines also asked for a Pebble update. Here's what I have from an earlier meeting. Note, the DRA has asked us for a bulleted format, so this may look a little different than you submitted. Please call with questions or concerns. I would like to send the draft points forward for review by tomorrow morning. Best, Michelle

Bristol Bay Pebble: Michelle Pirzadeh (Revised and optional) Drafted for April meeting.

- On February 28, 2018, EPA suspended its process to withdraw proposed restrictions on the discharge of dredged or fill material related to mining the Pebble deposit.

- The proposed determinations are in place while EPA receives more information on the potential impacts.
- Eric Peterson is EPA's team lead for this process with Palmer Hough from EPA's Office of Water in DC.
- Pebble Limited Partnership submitted a Clean Water Act 404 permit application to the U.S. Army Corps of Engineers on December 22, 2017, which was accepted.
- The Corps will begin the NEPA process and development of an Environmental Impact Statement (EIS).
- The Corp is lead agency in developing the EIS and EPA will be a cooperating agency.
- EPA will review the CWA 404 application and the State of Alaska's wastewater discharge and air permits.
- Tribes will have an opportunity to provide input into the EIS process during consultation meetings with the Corps and during public comment periods.
- The first public comment period will be the EIS scoping period which is anticipated to start within the next few months. (**Patty McGrath is R10's point of contact**).

Here's a link to OneDrive.

Internal Website / Ex. 6

Michelle V. Davis

US EPA Tribal Coordinator

(907) 271-3434

<https://www.epa.gov/tribal/region-10-tribal-programs>

Weave for me a garment of brightness, that I may walk at peace among the birds. Weave for me a garment of brightness, that I may walk at peace among the grass.

M. Scott Momaday

From: Davis, Michelle V.

Sent: Friday, May 18, 2018 8:45 AM

To: McGrath, Patricia <mcgrath.patricia@epa.gov>

Subject: Talking points for michelle Pirzadeh for June RTOC meeting

Good morning Patty;

I'm helping to pull together the talking points for the June RTOC meeting. Below are bullets you provided last time, would you like to update them? My goal is to send them out for review late next week. Michelle has asked us to format them as bullet points, so you will see they changed slightly.

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

Also, on the last call, Billy Maines, Curyung Tribal Council, asked if there were any Pebble updates, and specifically asked how is it going coordinating with the Corp. Michelle said that the timelines are challenging but we are making it work. He said that Curyung is requesting cooperating agency status, and will also continue to work with them. If there is anything you'd like to share re: Pebble, that would be appreciated.

If it works for you, I have also sent a link to update via OneDrive.

Thanks Patty.

Michelle V. Davis

US EPA Tribal Coordinator

(907) 271-3434

<https://www.epa.gov/tribal/region-10-tribal-programs>

Weave for me a garment of brightness, that I may walk at peace among the birds.

Weave for me a garment of brightness, that I may walk at peace among the grass.

M. Scott Momaday

Message

From: McGrath, Patricia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B5A069B6877F4EB985D83829C51EA4FA-MCGRATH, PA]
Sent: 10/22/2018 5:08:31 PM
To: Molly Vaughan (Vaughan.Molly@epa.gov) [Vaughan.Molly@epa.gov]
Subject: FW: 10_10_2018_PLP_Revised_Project_Description (UNCLASSIFIED)
Attachments: 10_10_2018_Project_description_Update.pdf

Molly-
Were you able to open this document?
I could not get it to open.
Patty

-----Original Message-----

From: POA Special Projects [mailto:poaspecialprojects@usace.army.mil]
Sent: Friday, October 19, 2018 3:08 PM
To: bobl@jadenorth.com; Brooke Merrell <brooke_merrell@nps.gov>; Curyung Tribal <courtenay@curyungtribe.com>; Daugherty, Linda (PHMSA) <linda.daugherty@dot.gov>; David Seris (David.M.Seris@uscg.mil) <David.M.Seris@uscg.mil>; Douglass Cooper <douglass_cooper@fws.gov>; Hassell, David (PHMSA) <david.hassell@dot.gov>; J. Loichinger <jloichinger@achp.gov>; Joan Kluwe <joan_kluwe@nps.gov>; John Eddins <jeddins@achp.gov>; Kevin Pendegast <kevin.pendergast@bsee.gov>; 'mary_colligan@fws.gov' <mary_colligan@fws.gov>; McCafferty, Katherine A CIV USARMY CEPOA (US) <Katherine.A.McCafferty2@usace.army.mil>; McCall, John <john.mccall@bsee.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Moselle, Kyle W (DNR) <kyle.moselle@alaska.gov>; manager@lakeandpen.com; POA Special Projects <poaspecialprojects@usace.army.mil>; nondaltontribe@yahoo.com; Wesley Furlong <wfurlong@narf.org>
Cc: POA Special Projects <poaspecialprojects@usace.army.mil>; Craig, Bill <bill.m.craig@aecom.com>
Subject: 10_10_2018_PLP_Revised_Project_Description (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

All,
Attached is the updated Project Description produced by the applicant associated with the May 11, 2018 Memo.

VR

Shane McCoy
Program Manager
(907) 753-2715

CLASSIFICATION: UNCLASSIFIED

Message

Sent: 6/25/2018 8:08:24 PM
To: Smith, Marla J. [Smith.MarlaJ@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
CC: Fordham, Tami [Fordham.Tami@epa.gov]; Kelly, Christine M [kelly.christinem@epa.gov]
Subject: RE: Pebble site visit

All-

I talked to Pebble. As is being done for Mark Douglas' trip, Pebble has reserved the flights out of Anchorage and has provided our names to Iliamna Air taxi.

Therefore, our seats are already reserved. We will pay Iliamna Air taxi on the day of the flight.

For the site visit we will fly from Anchorage to Kokhanok and board the helicopters there. From Kokhanok we will travel by helicopter over the road route to the mine site and then to the mine site. At the end of the tour we will depart from Iliamna back to Anchorage.

The flight costs for Anchorage-Kokhanok and Iliamna-Anchorage is \$500.

Helicopter costs per below.

Patty

From: Smith, Marla J.
Sent: Monday, June 25, 2018 12:30 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Fordham, Tami <Fordham.Tami@epa.gov>; Kelly, Christine M <kelly.christinem@epa.gov>
Subject: RE: Pebble site visit
Importance: High

Hi All,

Before you make your travel arrangements, Patty McGrath is going to check with Pebble on the Iliamna Air piece to see if they have already held seats for you.
Patty will let you know asap.

Thanks,
Marla

From: McGrath, Patricia
Sent: Thursday, June 21, 2018 11:54 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>
Subject: Pebble site visit

Molly, Tim, and Chris –

Our Pebble site visit is confirmed for July 31. Please submit your TAs ASAP. ARE funding is available for this trip but needs to be obligated.

Following is information for the TAs.

Seattle travelers –

7/30 – fly to Anchorage and stay overnight

All travelers –

7/31:

8 am flight from Anchorage to Iliamna via Iliamna Air Taxi (arrive Iliamna at 9 am)

9:00 – 3:30 – Pebble site visit (mine site, road, ports) - this will entail helicopter time. The cost estimate for the helicopter portion is \$1200 per person (note PLP will invoice us for the exact amount)

4:30 – flight from Iliamna back to Anchorage (should arrive in Anchorage at 5:30)

Seattle travelers - you can return to Seattle on 7/31 as there are late flights leaving Anchorage – or overnight and leave Anchorage on 8/1. I will likely leave the morning of 8/1.

Please let Molly and I know if you have questions.

I am also ccing Marla who has been helpful with previous travel to Pebble.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

Sent: 6/25/2018 8:13:47 PM
To: Smith, Marla J. [Smith.MarlaJ@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
CC: Fordham, Tami [Fordham.Tami@epa.gov]; Kelly, Christine M [kelly.christinem@epa.gov]
Subject: RE: Pebble site visit

All-

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The flight costs for Anchorage-Kokhanok and Iliamna-Anchorage is \$500.

Helicopter costs per below.

Patty

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Sent: Monday, June 25, 2018 12:30 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Fordham, Tami <Fordham.Tami@epa.gov>; Kelly, Christine M <kelly.christinem@epa.gov>
Subject: RE: Pebble site visit
Importance: High

Hi All,

Before you make your travel arrangements, Patty McGrath is going to check with Pebble on the Iliamna Air piece to see if they have already held seats for you.
Patty will let you know asap.

Thanks,
Marla

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Sent: Thursday, June 21, 2018 11:54 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>
Cc: Smith, Marla J. <Smith.MarlaJ@epa.gov>; Fordham, Tami <Fordham.Tami@epa.gov>
Subject: Pebble site visit

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Please let Molly and I know if you have questions.

I am also ccing Marla who has been helpful with previous travel to Pebble.

Thanks - Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

Sent: 7/26/2018 8:51:49 PM
To: Hladick, Christopher [hladick.christopher@epa.gov]; Pirzadeh, Michelle [Pirzadeh.Michelle@epa.gov]
CC: Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; Ashley Palomaki (Palomaki.Ashley@epa.gov) [Palomaki.Ashley@epa.gov]; Erik Peterson (Peterson.Erik@epa.gov) [Peterson.Erik@epa.gov]
Subject: FW: AOO director briefing materials
Attachments: BB Presentation_AOO_20180723.pptx; Bristol Bay Sript - AOO Briefing_20180723.docx

Hi Chris and Michelle-

Palmer informed us of a briefing tomorrow related to Pebble. The briefing materials are those used to brief Sue Detwiler on Monday.

It looks like Chris has been invited. Please let me know if you need any support or have questions.

Patty

From: Hough, Palmer
Sent: Thursday, July 26, 2018 1:26 PM
To: Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: FW: AOO director briefing materials

Folks:

I just wanted to give you a heads-up that the materials that you used to brief the new AOO will be used tomorrow to brief Henry Darwin, EPA's chief of operations.

It is my understanding that Lee Forsgren will be leading the briefing and John Goodin and Brian Frazer from OWOW will be present as well. Brian indicated that Chris Hladick has also been invited but it is not clear that he has accepted this invite.

That is basically all I know about this briefing.

-Palmer

From: Palomaki, Ashley
Sent: Monday, July 23, 2018 2:22 PM
To: Hough, Palmer <Hough.Palmer@epa.gov>
Subject: FW: AOO director briefing materials

Ashley Palomaki
Assistant Regional Counsel
U.S. EPA Region 10 Office of Regional Counsel
1200 Sixth Avenue, Suite 155, ORC-113
Seattle, WA 98101
206-553-8582

From: McGrath, Patricia
Sent: Tuesday, July 17, 2018 11:32 AM
To: Peterson, Erik <Peterson.Erik@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>
Subject: AOO director briefing materials

Hi Erik and Ashley-

Attached is the PP and script, with edits accepted, for the briefing with Sue next Monday.
Patty

Patty McGrath | Mining Advisor

U.S. Environmental Protection Agency, Region 10

1200 Sixth Avenue, Seattle, WA 98101

M/S: RAD-202

Office: (206) 553-6113

Cell: (206) 743-7068

mcgrath.patricia@epa.gov

Message

From: Vaughan, Molly [Vaughan.Molly@epa.gov]
Sent: 5/7/2018 11:59:30 PM
To: Meade, Christopher [Meade.Chris@epa.gov]
CC: Nogi, Jill [nogi.jill@epa.gov]
Subject: Please Review - current draft of Pebble Letter

Importance: High

<!--[if lte mso 15 || CheckWebRef]-->

Vaughan, Molly has shared a OneDrive for Business file with you. To view it, click the link below.



Pebble Project Scoping 050818 draft.docx

<!--[endif]-->

Hi Chris,

I have to leave for the day and didn't see any edits from you yet on the Sharepoint site version. So, so make things go more quickly, here is the current version of the document on my OneDrive. I need to send this to Patty ASAP when I come in tomorrow. Please make any edits directly in this document using track changes. As a reminder, the specific section for your review is titled "Marine Environment". It begins in the middle of Page 13 of this version, and ends top of page 15. In particular, please add the appropriate text we've discussed in place of the italicized text on page 14.

If you've already begun edits on another version, no need to switch gears now, just send those to me and I will consolidate in the morning.

Thank you,
Molly

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

Unextractable file placeholder


Message

From: Nogi, Jill [nogi.jill@epa.gov]
Sent: 5/8/2018 4:28:53 PM
To: Meade, Christopher [Meade.Chris@epa.gov]
CC: Vaughan, Molly [Vaughan.Molly@epa.gov]
Subject: FW: Please Review - current draft of Pebble Letter

Importance: High

<!--[if lte mso 15 || CheckWebRef]-->

Nogi, Jill has shared a OneDrive for Business file with you. To view it, click the link below.

 Pebble Project Scoping 050818 draft.docx

<!--[endif]-->

Chris,

I hope that you are doing well. Molly called this morning with her concern that she needs to keep the scoping letter moving through the internal review process as it needs to go to Patty McGrath today. As per her message below, she needs you to review the section related to dredged material management (pages 13-15) and provide any necessary edits, as well as adding a few sentences to the letter regarding upland disposal. The review schedule is tight and I anticipate that you only need to take about 30 minutes today to assist Molly with this. I know that you have been great about sharing your concerns with the team over the phone, so it should be a pretty easy task for you to complete your contributions to the scoping letter today. If Molly hasn't heard from you by 2pm today, I will need to reach out to Justine to see if she can make the time to provide input related to dredged material management. Justine doesn't have the background with this project however – so she would need to hear from you all about your involvement to date – which could take more time than having you edit it and send it back to Molly.

Please make responding to Molly your first priority when you get in to the office today, and take care of this as soon as you are able.

Thank you!

Jill

From: Vaughan, Molly
Sent: Monday, May 07, 2018 5:00 PM
To: Meade, Christopher <Meade.Chris@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>
Subject: Please Review - current draft of Pebble Letter
Importance: High

Hi Chris,

I have to leave for the day and didn't see any edits from you yet on the Sharepoint site version. So, so make things go more quickly, here is the current version of the document on my OneDrive. I need to send this to Patty ASAP when I come in tomorrow. Please make any edits directly in this document using track changes. As a reminder, the specific section for your review is titled "Marine Environment". It begins in the middle of Page 13 of this version, and ends top of page 15. In particular, please add the appropriate text we've discussed in place of the italicized text on page 14.

If you've already begun edits on another version, no need to switch gears now, just send those to me and I will consolidate in the morning.

Thank you,
Molly

~~~~~

Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)

~~~~~

Unextractable file placeholder

Message

From: Barton, Justine [Barton.Justine@epa.gov]
Sent: 5/9/2018 9:44:13 PM
To: Meade, Christopher [Meade.Chris@epa.gov]
Subject: Here are my comments on the dredging section...please take a look and use what you like...call if we need to discuss!
Attachments: Pebble Project Scoping 050818 draft w JB.docx

I just had a few comments...hopefully you can put them directly in the version you are working on. Don't forget the

Deliberative Process / Ex. 5

JB 😊

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

Appointment

From: McGrath, Patricia [mcgrath.patricia@epa.gov]
Sent: 4/26/2018 3:47:59 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Meade, Christopher [Meade.Chris@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Wake, Neverley [wake.neverley@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
CC: Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 4/26/2018 8:00:00 PM
End: 4/26/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Appointment

From: McGrath, Patricia [mcgrath.patricia@epa.gov]
Sent: 5/24/2018 4:34:56 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Meade, Christopher [Meade.Chris@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Wake, Neverley [wake.neverley@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Schofield, Kate [Schofield.Kate@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 5/24/2018 8:00:00 PM
End: 5/24/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Appointment

From: McGrath, Patricia [mcgrath.patricia@epa.gov]
Sent: 6/28/2018 7:54:09 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Meade, Christopher [Meade.Chris@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Wake, Neverley [wake.neverley@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Maley, Timothy [maley.timothy@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Schofield, Kate [Schofield.Kate@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]
Subject: Canceled: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 6/28/2018 8:00:00 PM
End: 6/28/2018 9:00:00 PM
Show Time As: Free
Importance: High
Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Appointment

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Sent: 7/25/2018 6:55:33 PM
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CC: Douglas, Mark [douglas.mark@epa.gov]; Schofield, Kate [Schofield.Kate@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]
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Appointment

From: McGrath, Patricia [mcgrath.patricia@epa.gov]
Sent: 8/22/2018 11:30:43 PM
To: Maley, Timothy [maley.timothy@epa.gov]; Wake, Neverley [wake.neverley@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Meade, Christopher [Meade.Chris@epa.gov]; Godsey, Cindi [Godsey.Cindi@epa.gov]; Pepple, Karl [Pepple.Karl@epa.gov]; McAlpine, Jerrold [McAlpine.Jay@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Eckley, Chris [Eckley.Chris@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Schofield, Kate [Schofield.Kate@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]
Subject: Pebble permit oversight/NEPA team
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 8/23/2018 8:00:00 PM
End: 8/23/2018 9:00:00 PM
Show Time As: Tentative

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 1:00 PM to 2:00 PM

Message

From: Meade, Christopher [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C70E5264633A4B6C81DF859F211876D3-MEADE, CHRIS]
Sent: 5/29/2018 6:31:36 PM
To: Lohrman, Bridgette [lohrman.bridgette@epa.gov]; Barton, Justine [Barton.Justine@epa.gov]; Hoffman, Erika [Hoffman.Erika@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: RE: Team call today (5/29)
Attachments: 052918 Chris Meade Workload Transition Table.docx

See draft table attached.

From: Lohrman, Bridgette
Sent: Tuesday, May 29, 2018 10:25 AM
To: Barton, Justine <Barton.Justine@epa.gov>; Hoffman, Erika <Hoffman.Erika@epa.gov>; Lohrman, Bridgette <lohrman.bridgette@epa.gov>; Meade, Christopher <Meade.Chris@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: Team call today (5/29)

Hello –

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Conference Line/Code / Ex. 6

Bridgette Lohrman | Ecologist | U.S. Environmental Protection Agency

Oregon Operations Office | 805 SW Broadway, Suite 500 | Portland, OR 97205 | 503.326.4006 |
lohrman.bridgette@epa.gov

Transition Plan for Chris Meade's Workload – as of 5.31.18

Project/Workgroup/Activity	Contact(s) (EPA & External)	Current Status/Description	Upcoming Milestone(s)/Next Steps	Transition Status: Recommended need for Immediate Re-assignment? Y/N	% FTE/How Much Time it Might Take to Complete
-----------------------------------	--	---------------------------------------	---	---	--

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Pebble Project	Patty McGrath, EPA Shane McCoy, ACE	Applicant recently dropped dredging in favor of lightering.	Scoping comments sooner, alternative development later. Deliberative Process / Ex. 5	Yes.	< 0.1 FTE
<p>Non-Responsive: Unrelated to Bristol Bay/Pebble Mine</p>					

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Appointment

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 11/21/2018 11:04:32 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: Check-in
Location: Jill's Office
Start: 12/14/2018 6:30:00 PM
End: 12/14/2018 7:00:00 PM
Show Time As: Busy

Aiming to ensure there is a time for us to check-in before the break.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Bristol Bay

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 11/13/2018 10:45:27 PM
Subject: Pebble
Start: 11/20/2018 2:00:00 PM
End: 11/20/2018 2:30:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 10/30/2018 6:12:35 PM
To: Nogi, Jill [nogi.jill@epa.gov]

Subject: **Non-Res** pebble comments

Start: 11/20/2018 2:30:00 PM
End: 11/20/2018 3:00:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 10/23/2018 8:18:23 PM
Subject: pebble letter
Start: 10/30/2018 3:00:00 PM
End: 10/30/2018 4:00:00 PM
Show Time As: Busy

Appointment

From: Peterson, Erik [Peterson.Erik@epa.gov]
Sent: 6/12/2018 11:14:41 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]
Subject: Bristol Bay Check-in
Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Bristol Bay Check-in; Bristol Bay Check-in; Untitled Attachment; Untitled Attachment; Canceled: Bristol Bay Check-in
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 7/31/2018 4:00:00 PM
End: 7/31/2018 5:00:00 PM
Show Time As: Busy

Recurrence: Weekly
every 2 week(s) on Tuesday from 9:00 AM to 10:00 AM

Erik Peterson will email the agenda prior to the meeting.

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

To: Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]

CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]

Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 8/1/2018 5:00:00 PM

End: 8/1/2018 5:30:00 PM

Show Time As: Busy

Recurrence: (none)

Suggesting change to this meeting given scheduling constraints.

Erik Peterson will email the agenda prior to the meeting.

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

To: Stern, Allyn [Stern.Allyn@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]

CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]

Location: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center

Start: 12/4/2018 5:00:00 PM

End: 12/4/2018 6:00:00 PM

Recurrence: (none)

Agenda

NEPA preliminary EIS comments

Briefing

FOIA

Information Quality Act Request for Correction or Withdrawal

404c rulemaking

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

From: Peterson, Erik [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0ecba75a9f9448d3980a693951129e64-Peterson, Erik]
Sent: 10/9/2018 3:48:24 PM
To: Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]
Subject: Bristol Bay Check-in
Location: R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center
Start: 10/9/2018 4:00:00 PM
End: 10/9/2018 5:00:00 PM
Recurrence: Weekly
every 2 week(s) on Tuesday from 9:00 AM to 10:00 AM

Agenda

404(c) Team

Congressional responses (Palmer)

- Western Caucus (Gosar et al) – newly OW-approved, not issued
- DeFazio and Carper – just revised, based on newly OW-approved, not issued Western Caucus response
- Lamar Smith – just drafted, based on newly OW-approved, not issued Western Caucus response

FOIA (Ashley)

- E&E News – new request for unredacted copies
- McKeever FOIA Lawsuit – next steps
- NRDC and CNN – working with the AOs office
- Trustees for Alaska – options for Justin Schwab review
- Trustees for Alaska 2 – new FOIA
- Back-up (Erik)

External Correspondence (Erik)

- Recent activity and approach

Permit Oversight/ NEPA Review Team

Timing a Brittany Bolen briefing?

Site Visits

- July 9 – 11: CWA 404 field verification was completed by Mark Douglas
- July 31: Site visit with some of our NEPA team (Patty, Molly, Tim, Chris) to view the mine site, proposed Lake Iliamna port sites, and portions of the proposed roads

NEPA/EIS document reviews - completed

- Scoping Document: In August we submitted comments on the draft scoping document that describes the significant issues raised in scoping. The final scoping document is available on the Corp's Pebble EIS website.
- Preliminary EIS Sections: In July and August, we reviewed and commented on specific portions of chapter 3 (affected environment) and chapter 4 (environmental consequences) that pertain to our areas of special expertise as identified by the Corps which includes: aesthetics, surface water hydrology, groundwater hydrology, water and sediment quality, wetlands, vegetation)
 - The documents have many placeholders since there have been changes to the proposed action, alternatives have yet to be finalized, and there are numerous substantial requests for additional information where the Corps is awaiting response from PLP.
- Alternatives: On October 3, we submitted comments on draft Appendix B (Alternatives Development Process). Previously we participated in a cooperating agency meeting and provided verbal input on the alternatives development process and some of the potential alternatives.

NEPA/EIS document reviews – upcoming

- The Corps has indicated that they will be sending us draft DEIS sections on 11/9 with comments due by 11/21. We have requested more time for review (30 days review period).

Schedule

- The Corps Pebble EIS website identifies estimated dates for a draft EIS in January 2019 and a final EIS in late 2019.

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

To: Stern, Allyn [Stern.Allyn@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]

CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]

Subject: Bristol Bay Check-in

Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 11/6/2018 5:00:00 PM

End: 11/6/2018 6:00:00 PM

Recurrence: (none)

Erik and Patty will be calling in to this meeting.

Agenda

Permit Oversight/ NEPA Review Team

NEPA Review

404(c)

FOIA – HQ role in FOIA responsibilities

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

To: Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]

CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]

Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center

Start: 11/20/2018 5:00:00 PM
End: 11/20/2018 6:00:00 PM

Recurrence: (none)

Agenda

Permit Oversight/ NEPA Review Team

Preliminary EIS review

404(c) Team

NEPA/404c coordination

Competitive Enterprise Institute Information Quality Act Request for Correction or Withdrawal Regarding Bristol Bay Watershed Assessment

FOIA

- E&E News (011614)
- McKeever FOIA Lawsuit
- Trustees for Alaska 2 (0135)
- HQ FOIA Role

Congressional correspondence

- Western Caucus (Gosar et al) – Forsgren signed final sent 9/16/18
- Lamar Smith – nearly identical Forsgren signed final sent 10/18/18
- DeFazio and Carper – in process

June 2018 memo on 404c regulation revisions

External meeting

- 11/14/18 Forsgren, PLP and other BB stakeholders

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

To: Fordham, Tami [Fordham.Tami@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]

CC: Thiesing, Mary [Thiesing.Mary@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]

Subject: Canceled: Bristol Bay Check-in

Start: 1/1/2019 5:00:00 PM
End: 1/1/2019 6:00:00 PM
Show Time As: Free

Importance: High

Recurrence: (none)

Erik Peterson will email the agenda prior to the meeting.

→ Join by Phone

Conference Line/Code / Ex. 6

→ Meeting Organizer

Erik Peterson, USEPA (206) 553-6382 office

Appointment

From: Fordham, Tami [Fordham.Tami@epa.gov]
Sent: 7/5/2018 8:27:31 PM
To: Fordham, Tami [Fordham.Tami@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; R10AOO-ConfLnO365-Restricted-2051053 [R10AOO-ConfLnO365-Restricted-2051053@epa.gov]
CC: Peterson, Erik [Peterson.Erik@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]
Subject: FW: Pebble Overview for AOO Director
Location: R10AOO-Room-Raven-25-VTC/R10-Rooms-AOO; R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center
Start: 7/23/2018 6:00:00 PM
End: 7/23/2018 7:00:00 PM
Show Time As: Tentative

-----Original Appointment-----

From: Fordham, Tami
Sent: Thursday, July 5, 2018 12:29 PM
To: Fordham, Tami; McGrath, Patricia; Palomaki, Ashley; Douglas, Mark; Detwiler, Susan K.; R10AOO-ConfLnO365-Restricted-2051053
Cc: Vaughan, Molly; Anderson-Carnahan, Linda; Peterson, Erik; Steiner-Riley, Cara
Subject: Pebble Overview for AOO Director
When: Monday, July 23, 2018 10:00 AM-11:00 AM (UTC-09:00) Alaska.
Where: R10AOO-Room-Raven-25-VTC/R10-Rooms-AOO; R10Sea-Room-14WallaWalla/R10-Rooms-Service-Center

Sue and I will be in Seattle, looking forward to seeing most of you in person. Thanks! Tami

→ [Join Skype Meeting](#)

This is an online meeting for Skype for Business, the professional meetings and communications app formerly known as Lync.

Join by Phone

**Conference Line/Code /
Ex. 6**

[Help](#)

Appointment

From: Nogi, Jill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8E6AA4CE4A754CD09F8490A81F581DE9-NOGI, JILL]
Sent: 5/25/2018 2:46:11 AM
Subject: send PLP letter to DA and TF, through onedrive
Start: 5/25/2018 1:00:00 PM
End: 5/25/2018 1:30:00 PM
Show Time As: Busy

Appointment

From: R10-OERA Calendar [R10-OERA_Calendar@epa.gov]
Sent: 5/16/2018 5:11:28 PM
To: R10-OERA Calendar [R10-OERA_Calendar@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Combes, Marcia [Combes.Marcia@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]

Subject: Bristol Bay Check-in

Attachments: Bristol Bay Check-in; Untitled Attachment

Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center;

Conference Line/Code / Ex. 6

Start: 6/20/2018 4:00:00 PM

End: 6/20/2018 5:00:00 PM

Show Time As: Busy

Recurrence: Weekly

Occurs on Wednesday every other week from 9:00 AM to 10:00 AM effective 6/20/2018 until 7/18/2018.

Appointment

From: Kelly, Christine M [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6b60de9f09f749b6a5ccd7f30fe4a26e-Kelly, Chri]
Sent: 6/25/2018 8:03:39 PM
To: Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; R10-OERA Calendar [R10-OERA_Calendar@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Marcia Combes (Combes.Marcia@epa.gov) [Combes.Marcia@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]
Subject: Bristol Bay Check-in
Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center
Start: 7/3/2018 4:00:00 PM
End: 7/3/2018 5:00:00 PM
Show Time As: Busy
Recurrence: Weekly
every 2 week(s) on Wednesday from 9:00 AM to 10:00 AM

Conference Line/Code / Ex. 6

Appointment

To: Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]; R10-OERA Calendar [R10-OERA_Calendar@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Lindsay, Andrea [Lindsay.Andrea@epa.gov]; Skadowski, Suzanne [Skadowski.Suzanne@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Hough, Palmer [Hough.Palmer@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Nalven, Heidi [Nalven.Heidi@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Combes, Marcia [Combes.Marcia@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Stern, Allyn [Stern.Allyn@epa.gov]

Location: R10Sea-Room-14Elwha/R10-Rooms-Service-Center;

Conference Line/Code / Ex. 6

Start: 7/3/2018 4:00:00 PM

End: 7/3/2018 5:00:00 PM

Show Time As: Busy

Recurrence: (none)

Appointment

From: Curtis, Jennifer [Curtis.Jennifer@epa.gov]
Sent: 4/24/2018 9:43:51 PM
To: Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Owens, Kim [Owens.Kim@epa.gov]
Subject: Monthly Alaska Projects Update **Conference Line/Code / Ex. 6**
Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment
Location: **Conference Line/Code / Ex. 6** / AOO-Meet-Me-Ln/R10-AOO-Eqpt
Start: 5/24/2018 5:30:00 PM
End: 5/24/2018 6:30:00 PM
Show Time As: Busy

Recurrence: Monthly
the fourth Thursday of every 1 month(s) from 9:30 AM to 10:30 AM

This is the monthly meeting for ERSMU, ARU, AOO, R10 Mining Sector and Alaska O&G Sector to provide updates on Alaska projects and issues.

Appointment

Start: 5/24/2018 5:30:00 PM
End: 5/24/2018 6:30:00 PM
Show Time As: Busy

Recurrence: (none)

This is the monthly meeting for ERSMU, ARU, AOO, R10 Mining Sector and Alaska O&G Sector to provide updates on Alaska projects and issues. W

Non-Responsive:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Went around and shared information - trip on NS

Donlin, Pebble, CA invitations

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble

Mark Douglas joining the team for

Matt – swapping AK LNG with Pebble

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Nonresponsive Unrelated to Pebble/ Ex. 6

Pebble timing with Lee's trip

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsiv pebble folks see memo

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Appointment

To: Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]
CC: Douglas, Mark [douglas.mark@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; R10AOO-ConfLnMM-907-271-2895/AOO-Meet-Me-Ln/R10-AOO-Eqpt
Location: R10AOO-Room-Large-30-VTC/R10-Rooms-AOO-Me-Ln/R10-AOO-Eqpt
Start: 6/28/2018 5:30:00 PM
End: 6/28/2018 6:30:00 PM
Recurrence: (none)

I added the AOO Large Conference Room since there are now four of us in AOO.

For folks in calling in, **Conference Line/Code / Ex. 6** *Thanks!*

This is the monthly meeting for ERSMU, ARU, AOO, R10 Mining Sector and Alaska O&G Sector to provide updates on Alaska projects and issues.

Appointment

To: McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Somers, Elaine [somers.elaine@epa.gov]

Start: 8/23/2018 5:30:00 PM

End: 8/23/2018 6:30:00 PM

Show Time As: Busy

Recurrence: (none)

This is the monthly meeting for ERSMU, ARU, AOO, R10 Mining Sector and Alaska O&G Sector to provide updates on Alaska projects and issues.

Appointment

To: Fordham, Tami [Fordham.Tami@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Owens, Kim [Owens.Kim@epa.gov]

Start: 9/27/2018 5:30:00 PM
End: 9/27/2018 6:30:00 PM

Recurrence: (none)

Appointment

To: Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]
CC: Chu, Rebecca [Chu.Rebecca@epa.gov]; Detwiler, Susan K. [detwiler.susan@epa.gov]; Owens, Kim [Owens.Kim@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]

Start: 11/22/2018 6:30:00 PM
End: 11/22/2018 7:30:00 PM

Recurrence: (none)

Appointment

To: Fordham, Tami [Fordham.Tami@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Owens, Kim [Owens.Kim@epa.gov]

Start: 10/25/2018 5:30:00 PM
End: 10/25/2018 6:30:00 PM

Recurrence: (none)

Appointment

To: Fordham, Tami [Fordham.Tami@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; McGrath, Patricia [mcgrath.patricia@epa.gov]; Palomaki, Ashley [Palomaki.Ashley@epa.gov]; Mendelman, Krista [Mendelman.Krista@epa.gov]; Fordham, Tami [Fordham.Tami@epa.gov]
CC: Detwiler, Susan K. [detwiler.susan@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Owens, Kim [Owens.Kim@epa.gov]

Start: 12/27/2018 6:30:00 PM
End: 12/27/2018 7:30:00 PM

Recurrence: (none)

Message

From: Anderson-Carnahan, Linda [anderson-carnahan.linda@epa.gov]
Sent: 8/7/2018 9:00:11 PM
To: Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: Conversation with Anderson-Carnahan, Linda

Anderson-Carnahan, Linda 9:44 AM:

Is Theo involved in Pebble??

Nogi, Jill 9:44 AM:

no.

Anderson-Carnahan, Linda 9:46 AM:

Barry put him on the agenda for the all-staff to talk about Pebble.

Nogi, Jill 9:49 AM:

I talked with Barry on Friday and he was taking it off the agenda all together. Patty isn't in town and others that went on the site visit are also away. Patty said that they wouldn't have time to pull things together right now with everything else going on, so I think he's got a revised agenda to share that doesn't have AK on it at all...

Anderson-Carnahan, Linda 9:51 AM:

Getting a little late to be changing the agenda and we had asked people to be here for the all-staff. What is going in place instead? I may talk to Patty.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Message

From: Anderson-Carnahan, Linda [anderson-carnahan.linda@epa.gov]
Sent: 8/6/2018 6:33:04 PM
To: Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: Conversation with Anderson-Carnahan, Linda

Anderson-Carnahan, Linda 9:44 AM:

Is Theo involved in Pebble??

Nogi, Jill 9:44 AM:

no.

Anderson-Carnahan, Linda 9:46 AM:

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Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Message

From: Anderson-Carnahan, Linda [anderson-carnahan.linda@epa.gov]
Sent: 8/6/2018 4:59:36 PM
To: Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: Conversation with Anderson-Carnahan, Linda

Anderson-Carnahan, Linda 9:44 AM:

Is Theo involved in Pebble??

Nogi, Jill 9:44 AM:

no.

Anderson-Carnahan, Linda 9:46 AM:

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Nogi, Jill 9:49 AM:

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Anderson-Carnahan, Linda 9:51 AM:

Getting a little late to be changing the agenda and we had asked people to be here for the all-staff. What is going in place instead? I may talk to Patty.

Message

From: Anderson-Carnahan, Linda [anderson-carnahan.linda@epa.gov]
Sent: 8/6/2018 4:48:08 PM
To: Anderson-Carnahan, Linda [Anderson-Carnahan.Linda@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: Conversation with Anderson-Carnahan, Linda

Anderson-Carnahan, Linda 9:44 AM:

Is Theo involved in Pebble??

Nogi, Jill 9:44 AM:

no.

Anderson-Carnahan, Linda 9:46 AM:

Barry put him on the agenda for the all-staff to talk about Pebble.

Message

From: Barton, Justine [Barton.Justine@epa.gov]
Sent: 10/24/2018 9:47:13 PM
To: Nogi, Jill [nogi.jill@epa.gov]
Subject: RE: Hot Topics from ERSMU today

Just finished the meeting and am writing some notes up for you now. I asked Linda (no David present) whether Snake and Pebble had been put in Hot Topics and she told me to check myself on the Info Page...so will do that now. JB

.....
Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Wednesday, October 24, 2018 2:27 PM
To: Allnutt, David <Allnutt.David@epa.gov>; Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>
Cc: Barton, Justine <Barton.Justine@epa.gov>
Subject: Hot Topics from ERSMU today

Double checking with you while I'm thinking of it. We have the Pebble Hot Topic in the Weekly, **Non-Responsive**

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks! Jill

Message

Sent: 11/2/2018 8:04:10 PM
To: Chu, Rebecca [Chu.Rebecca@epa.gov]; LaCroix, Matthew [LaCroix.Matthew@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]; Curtis, Jennifer [Curtis.Jennifer@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Douglas, Mark [douglas.mark@epa.gov]
Subject: RE: PLEASE UPDATE THIS BRIEFING DOC!!! Chu, Rebecca shared "R10 ORA Briefing Paper and Talking Points Chris Meet and Greet with Col Borders" with you.

And to add to this, hopefully it's helpful to everyone --

From: Chu, Rebecca
Sent: Friday, November 02, 2018 12:19 PM
To: Nogi, Jill <nogi.jill@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>
Subject: PLEASE UPDATE THIS BRIEFING DOC!!! Chu, Rebecca shared "R10 ORA Briefing Paper and Talking Points Chris Meet and Greet with Col Borders" with you.
Importance: High

Hi All

Now that we are coordinating on TWO briefing docs for the RA- reminder that the One Drive doc below needs to be updated with the NEPA info by COB today. Please let me know if you don't have access to this doc. As a reminder- these talking points are being drafted for the RA for:

11-16-18 Meeting of Chris H, RA and Col. Borders, DE, Alaska District, Corps of Engineers

Purpose of the meeting: it's a meet-and-greet between the two senior leaders. Topics to cover: EPA and the Army MOA for Alaska District & Large NEPA Projects (ID'd in Jill's email below- Nanushuk, Pebble, Ambler, Willow and Coastal Plain)

Talking Point Need:

AK MOU Talking Points: The current draft talking points came from a discussion with David Allnutt. *Mark, Matt and Mary Anne:* please review and edit for accuracy. *Jennifer/Molly/Erik-* we also identified specific ongoing project where we'd like more coordination with the Corps on to support our "one federal decision" and aggressive timelines. Feel free to review those and edit for NEPA accuracy!

Large NEPA Projects Talking Points: NEPA team- we need your help in getting these sorted out. An idea- maybe you can use our last "MOU Talking Point" of wanting more coordination to support our "one federal decision" as a way to describe the specific large projects so it ties together?

Process and Timeline to Complete the Talking Points:

We need to have the talking points to the RA's office by 11-13. To meet this timeline:

- **Staff input on draft talking points- pretty much need this by COB today or 11/5 AM at the latest**
- HQ Coordination on programmatic level (for 404 program, Mary Anne lead; for NEPA, ???)- 11/5ish
- Jill/Rebecca Review- 11/5-11/6
- David and Linda review & edit - 11/7-11/9
- David/Linda submit to RA's office by 11/13

Please let me know if I have missed any steps in the review process.

Thanks!!

Rebecca Chu | Acting Unit Manager
Aquatic Resources Unit
United States Environmental Protection Agency
Region 10
1200 Sixth Ave Suite 900
MS-140
Seattle, WA 98101
(206) 553-1774
Chu.Rebecca@epa.gov

From: Nogi, Jill
Sent: Sunday, October 28, 2018 3:43 PM
To: Chu, Rebecca <Chu.Rebecca@epa.gov>; LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Curtis, Jennifer <Curtis.Jennifer@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>
Subject: RE: Chu, Rebecca shared "R10 ORA Briefing Paper and Talking Points Chris Meet and Greet with Col Borders" with you.

Hi Becky,
David and I talked on Friday about having bullet points ready for Chris to bring up with the Colonel regarding our efforts/thinking on Nanushuk, Pebble, Ambler, Willow and Coastal Plain – a number of the big NEPA projects in AK. The Corps is the lead on Pebble and Nanushuk and will be coordinating/collaborating with us regarding our 404/aquatic resource related comments on the BLM-led projects on the list. Jennifer Curtis is the lead point of contact for NEPA for Nanushuk and Molly Vaughan is the lead point of contact on the other projects. David had mentioned that he wanted to talk with Chris about everything we pull together prior to the 16th. If we've set 11/6 as the deadline to get it to David and Linda, I would ask that the NEPA leads please have bullet points/talking points ready for me to take a look by Friday 11/2 – and I can help add points to this as well, if needed, by the 6th.

Please also share your one drive link with Molly and Jennifer – Erik is working on the 404(c) team effort but isn't working on the NEPA EIS review, which would be separate talking points for Chris, if we wanted to bring up both. Thanks everyone – we'll be in good shape getting everything together in plenty of time! Your help in developing this is much appreciated. I'm still home sick – so won't be in on Monday but can catch up with folks (hopefully) Tuesday or later.

Jill

From: Chu, Rebecca
Sent: Friday, October 26, 2018 2:53 PM
To: LaCroix, Matthew <LaCroix.Matthew@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Subject: Chu, Rebecca shared "R10 ORA Briefing Paper and Talking Points Chris Meet and Greet with Col Borders" with you.

All

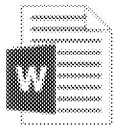
The RA is meeting with the new District Engineer at the Alaska District on 11-16. David has asked us to put together some talking points for the RA, and we're going to get these to David and Linda by 11-6. I understand that David spoke with Jill re: talking points specific to Bristol Bay. So including Jill

and Eric if they'd like to join ARU in what we're putting together for Linda/David and the RA.

Matt & Mary Anne- my notes are from our discussions. Feel free to reframe and clean up.



This link only works for the direct recipients of this message.



R10 ORA Briefing Paper and Talking Points Chris Meet and Greet
with Col Borders

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Microsoft Corporation, One Microsoft Way, Redmond, WA 98052

Message

From: Vaughan, Molly [vaughan.molly@epa.gov]
Sent: 10/30/2018 6:24:00 PM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]
Subject: Conversation with Vaughan, Molly

Vaughan, Molly 11:21 AM:

Hi Jill - sorry I missed your call, and now I believe you are in a meeting. I will plan to call at noon your time, or feel free to call me if you are available before that.

Vaughan, Molly 11:21 AM:

Regarding Pebble, I apologize that I am still working on the comments, but will send them to you shortly.

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 11/26/2018 11:11:50 PM
Subject: PLP
Start: 12/14/2018 9:00:00 PM
End: 12/14/2018 10:00:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 11/26/2018 11:11:43 PM
Subject: PLP
Start: 12/14/2018 4:30:00 PM
End: 12/14/2018 5:30:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 11/26/2018 11:10:14 PM
Subject: PLP
Start: 12/13/2018 10:00:00 PM
End: 12/13/2018 11:00:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 11/26/2018 11:10:07 PM
Subject: PLP
Start: 12/13/2018 9:00:00 PM
End: 12/13/2018 10:00:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 11/26/2018 11:10:01 PM
Subject: HOLD PLP
Start: 12/13/2018 7:00:00 PM
End: 12/13/2018 8:00:00 PM
Show Time As: Busy

Appointment

From: Nogi, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=8e6aa4ce4a754cd09f8490a81f581de9-Nogi, Jill]
Sent: 10/30/2018 6:12:14 PM
Subject: **Non-Respons** Pebble comments
Start: 11/19/2018 2:30:00 PM
End: 11/19/2018 3:00:00 PM
Show Time As: Busy

Message

From: Mbabaliye, Theogene [Mbabaliye.Theogene@epa.gov]
Sent: 5/7/2018 8:26:00 PM
To: Hood, Lynne [Hood.Lynne@epa.gov]; Jen, Mark [Jen.Mark@epa.gov]; Kubo, Teresa [Kubo.Teresa@epa.gov]; Mbabaliye, Theogene [Mbabaliye.Theogene@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Somers, Elaine [somers.elaine@epa.gov]; Wright, Wendy [Wright.Wendy@epa.gov]
Subject: FW: Workload for today
Attachments: NEPA Workload Report-May7(corrected).pdf

Corrected workload sheet for today.

From: Mbabaliye, Theogene
Sent: Monday, May 7, 2018 10:10 AM
To: Hood, Lynne <Hood.Lynne@epa.gov>; Jen, Mark <Jen.Mark@epa.gov>; Kubo, Teresa <Kubo.Teresa@epa.gov>; Mbabaliye, Theogene <Mbabaliye.Theogene@epa.gov>; Molly Vaughan <vaughan.molly@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peterson, Erik <Peterson.Erik@epa.gov>; Somers, Elaine <somers.elaine@epa.gov>; Wendy Wright (Wright.Wendy@epa.gov) <Wright.Wendy@epa.gov>
Subject: Workload for today

Hello and Happy Monday!

Attached please find our NEPA workload for today. If any more projects come in before 1:30pm, I'll update the sheet with the same.

Theo

NEPA Workload

TITLE	ERP	CEQ	REGION 10	DUE DATE	EXTENSION	REVIEWER	TYPE
<div>Not Assigned</div> <div> <div>Non-Responsive: Unrelated to Bristol Bay/Pebble Mine</div> </div>							Scoping
							Scoping
							Scoping
							Draft Sup
							Draft
							Final
							Final
							Final
							Draft Sup
							Draft
							Final
							Draft
							Draft
Pebble Project, Cooperating Agency, Pebble Mine, AK			18-0002-COE	4/30/2018	6/29/2018	vaughan	Scoping

NEPA Workload

TITLE	ERP	CEQ	REGION 10	DUE DATE	EXTENSION	REVIEWER	TYPE
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The Following Are Late

CETA Ongoing

Message

From: Duncan, Bruce [Duncan.Bruce@epa.gov]
Sent: 9/10/2018 11:00:55 PM
To: Nogi, Jill [nogi.jill@epa.gov]; Islam, Mahbubul [Islam.Mahbubul@epa.gov]; Kubo, Teresa [Kubo.Teresa@epa.gov]; Chu, Rebecca [Chu.Rebecca@epa.gov]; Bachman, Brenda [bachman.brenda@epa.gov]; Brown, DonaldM [Brown.DonaldM@epa.gov]; Dodo, Gerald [Dodo.Gerald@epa.gov]; Matheny, Don [Matheny.Don@epa.gov]; Pepich, Barry [Pepich.Barry@epa.gov]
Subject: FW: !REMINDER! We need your Hot Topics for RTOC- extended deadline is COB TOMORROW, TUESDAY 9/11!
Attachments: R10 Tribal Hot Topics for RTOC Fall 2017.pdf; R10 Tribal Hot Topics for RTOC Winter 2018.pdf; R10 Tribal Hot Topics for RTOC Spring 2018.pdf; R10 Tribal Hot Topics for RTOC Summer 2018.pdf

Sorry this snuck by me last week, I'll check my tickler set up. The current ORD Strategic Research Action Plan review has been described in the last two newsletters.

I plan to submit:

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

From: Brown, Katherine
Sent: Monday, September 10, 2018 11:18 AM
To: R10-Tribal Specialists Team <R10Tribal_Specialists_Team@epa.gov>
Cc: Murphy, Stacy <Murphy.Stacy@epa.gov>; Wilson, Wenona <Wilson.Wenona@epa.gov>
Subject: !REMINDER! We need your Hot Topics for RTOC- extended deadline is COB TOMORROW, TUESDAY 9/11!

Hello.

It's Hot Topics time again! Last Friday's deadline was extended to tomorrow, Tuesday 9/11, so please get them in.

What? 2-3 Hot Topics for RTOC from each office. 1-2 sentences long. Request them from management or staff. Find them on the internet. Or make them up. Ask yourself, **what's happening related to programs in my office that R10 tribes might benefit from hearing about?** Track it down and write it up. Edit it to 2 sentences. See examples attached.

Thank you for all you do!

Katherine

x7263



EPA Region 10 Tribal Hot Topics for RTOC - Fall 2017



National News

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

Bristol Bay Determination

EPA is proposing to withdraw its 2014 Clean Water Act Proposed Determination that would have imposed restrictions on the discharge of dredged or fill material associated with the potential Pebble Mine Project. Consultation and coordination with tribes and ANCSA Village and Regional Corporations in the Bristol Bay watershed continues. The public comment period ends October 17. epa.gov/bristolbay

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine



EPA Region 10 Tribal Hot Topics for RTOC - Spring 2018



National News

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

R10 Office of Environmental Review and Assessment

Bruce Duncan: duncan.bruce@epa.gov, (206) 553-0218

Pebble Project Scoping

The Pebble Partnership submitted a CWA §404 permit application in December. ACOE is the lead agency responsible for analyzing the potential impacts of the project and developing the Environmental Impact Statement. Scoping meetings will be held in several locations in April.

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine



EPA Region 10 Tribal Hot Topics for RTOC - Winter 2018



National News

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

Non-Reponsive: Unrelated to Bristol Bay/Pebble Mine

Message

From: Barton, Justine [Barton.Justine@epa.gov]
Sent: 11/27/2018 12:12:36 AM
To: Vaughan, Molly [Vaughan.Molly@epa.gov]
CC: Nogi, Jill [nogi.jill@epa.gov]
Subject: Pebble Mine - Justine Barton Comments
Attachments: Comment_spreadsheet_J_Barton_11-26-18.docx

Hi Molly –

Deliberative Process / Ex. 5

Deliberative

Could you take a look and see if these are helpful? Please let me know what else I might include that would be of assistance to you in the topic areas I mentioned above. JB

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Vaughan, Molly
Sent: Wednesday, November 21, 2018 12:34 PM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Butler, Barbara <Butler.Barbara@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Muche, Muluken <muche.muluken@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>
Cc: Peterson, Erik <Peterson.Erik@epa.gov>
Subject: RE: Please Review - Pebble Pre-DEIS Sections

Hello All,
We just received word from the Corps that they are extending the deadline for cooperating agency comments on these sections. For all of the sections below, I would now appreciate if you can complete your review and send me any comments you have by COB Monday Dec. 10.
Thank you and Happy Thanksgiving!
--Molly

From: Vaughan, Molly
Sent: Tuesday, November 13, 2018 10:56 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Wake, Neverley <wake.neverley@epa.gov>; Godsey, Cindi <Godsey.Cindi@epa.gov>; Pepple, Karl <Pepple.Karl@epa.gov>; McAlpine, Jerrold <McAlpine.Jay@epa.gov>; Palomaki, Ashley <Palomaki.Ashley@epa.gov>; Hough, Palmer <Hough.Palmer@epa.gov>; Maley, Timothy <maley.timothy@epa.gov>; Eckley, Chris <Eckley.Chris@epa.gov>; Butler, Barbara <Butler.Barbara@epa.gov>; Douglas, Mark <douglas.mark@epa.gov>; Schofield, Kate <Schofield.Kate@epa.gov>; Thiesing, Mary <Thiesing.Mary@epa.gov>; Muche, Muluken <muche.muluken@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>
Cc: Peterson, Erik <Peterson.Erik@epa.gov>
Subject: Please Review - Pebble Pre-DEIS Sections
Importance: High

Hello Pebble NEPA Team,

We have received several additional sections of the preliminary Draft EIS for review. We have also received many sections as an FYI for which our review is not requested. I have loaded everything I've received to date into the Sharepoint Folder: [Preliminary Draft EIS Sections Oct-Nov 2018](#).

As a reminder, our input at this stage is only requested on the specific sections we were assigned to in the Cooperating Agency plan. Therefore, if your name doesn't appear below with a specific assignment, no review is necessary at this time. However, feel free to take a look at the sections pertaining to your subject matter on the Sharepoint Site if you wish.

Here are the assignments for specific sections where I would appreciate your review. Note that each subject area includes a section for Chapter 3 (affected environment), Chapter 4 (environmental consequences), as well as one or two supporting technical appendices. Please use the attached comment spreadsheet to assemble your comments, and please send them to me by the date noted for each section below.

- 3.11/4.11/K4.11 Aesthetics – Molly
- 3.14/4.14/K3.14 Soils – Mark/Palmer – due COB 11/27
- 3.16/4.16/K3.16 Surface Water Hydrology – Tim/Mark/Palmer/Muluken/Justine – due COB 11/27
- 3.26/4.26/K3.26 Vegetation – Mark/Palmer – due COB 11/27
- 3.17/4.17/K3.17 Hydrogeology – Tim/Mark/Palmer/Muluken – due COB 11/29
- 3.18/4.18/K3.18/K4.18 Water and Sediment Quality – Cindi/Tim/Chris – due COB 11/29
- (note, we have not yet received the Wetlands sections, which are anticipated to arrive approximately 11/21)

I apologize for the short time available for review, especially given the Thanksgiving holiday in the middle. If this schedule will be impossible for you, please let me know as soon as possible. Also, if you have any questions about the sections you are reviewing or where to focus your review, please don't hesitate to call.

Thank you,
Molly

~~~~~  
Molly Vaughan  
U.S. Environmental Protection Agency Region 10  
Alaska Operations Office  
222 W. 7<sup>th</sup> Avenue #19  
Anchorage, AK 99513-7588

907-271-1215  
[vaughan.molly@epa.gov](mailto:vaughan.molly@epa.gov)  
~~~~~

Message

From: Jennings, Marie [Jennings.Marie@epa.gov]
Sent: 6/19/2018 10:48:49 PM
To: R10-OWW Mail Group [R10OWW_Mail_Group@epa.gov]
CC: Edmondson, Lucy [Edmondson.Lucy@epa.gov]; Grafe, Cyndi [Grafe.Cyndi@epa.gov]; Kenknight, Jeff [Kenknight.Jeff@epa.gov]; MacIntyre, Mark [Macintyre.Mark@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Peak, Nicholas [Peak.Nicholas@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Wilcox, Michelle [wilcox.michelle@epa.gov]
Subject: OWW Management Meeting Highlights 6/14/18 and 6/18/18

OWW Thursday Management Meeting June 14, 2018

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

-- OERA - David Alnutt mentioned the Alaska trip and the Pebble mine scoping letter. He also mentioned the National Scientific Integrity opportunity

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

OWW Monday Morning Management Meeting June 18, 2018

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Marie J.

Message

From: Mbabaliye, Theogene [Mbabaliye.Theogene@epa.gov]
Sent: 5/7/2018 5:09:47 PM
To: Hood, Lynne [Hood.Lynne@epa.gov]; Jen, Mark [Jen.Mark@epa.gov]; Kubo, Teresa [Kubo.Teresa@epa.gov]; Mbabaliye, Theogene [Mbabaliye.Theogene@epa.gov]; Vaughan, Molly [Vaughan.Molly@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Peterson, Erik [Peterson.Erik@epa.gov]; Somers, Elaine [somers.elaine@epa.gov]; Wright, Wendy [Wright.Wendy@epa.gov]
Subject: Workload for today
Attachments: NEPA Workload Report-May7.pdf

Hello and Happy Monday!

Attached please find our NEPA workload for today. If any more projects come in before 1:30pm, I'll update the sheet with the same.

Theo

NEPA Workload

TITLE	ERP	CEQ	REGION 10	DUE DATE	EXTENSION	REVIEWER	TYPE
Non-Responsive: Unrelated to Bristol Bay/Pebble Mine							
Pebble Project, Cooperating Agency, Pebble Mine, AK			18-0002-COE	4/30/2018	6/29/2018	vaughan	Scoping

NEPA Workload

TITLE	ERP	CEQ	REGION 10	DUE DATE	EXTENSION	REVIEWER	TYPE
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The Following Are Late

CETA Ongoing

Message

From: Barton, Justine [Barton.Justine@epa.gov]
Sent: 10/24/2018 11:41:34 PM
To: Nogi, Jill [nogi.jill@epa.gov]
Subject: RE: Acting Report from Monday and Wednesday this week...

You bet

**Non-
Resp**

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Wednesday, October 24, 2018 4:26 PM
To: Barton, Justine <Barton.Justine@epa.gov>
Subject: RE: Acting Report from Monday and Wednesday this week...

Thank you so much Justine! Your notes are very helpful, I appreciate your taking all of this down. I haven't heard

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Have a great afternoon – hopefully it went ok for you today as Acting UM on a Wednesday. Thanks again for all of your help in keeping things moving. You've done a great job.

Jill

From: Barton, Justine
Sent: Wednesday, October 24, 2018 4:13 PM
To: Nogi, Jill <nogi.jill@epa.gov>
Subject: Acting Report from Monday and Wednesday this week...

Hi Jill – Here are things I think will be of interest to you, I've highlighted ones I think are most timely for the week:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

There were a few other things, but frankly with all the acronyms I couldn't get them down, and they didn't sound to me like they would affect ERSUM. That's it from me! 😊

JB

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Tuesday, October 23, 2018 3:29 PM
To: Barton, Justine <Barton.Justine@epa.gov>
Subject: RE: Hot Topics for ERSUM this week

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thank you! Jill

From: Barton, Justine
Sent: Tuesday, October 23, 2018 2:58 PM
To: Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Hi Jill – Just now off the DMMP monitoring/bioaccum call. Looks like we're set for the Hot Topics for tomorrow...so my plan is just to attend the manager's meeting from 2-3:30 pm tomorrow in your stead. Anything else I should do? JB

.....

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Tuesday, October 23, 2018 11:33 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Thanks to all of your for your help with developing this paragraph. I have submitted it to David/Linda for final review and approval before it goes out through the Weekly tomorrow.

Personal Matters / Ex. 6

From: McGrath, Patricia
Sent: Tuesday, October 23, 2018 10:47 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Please consider the recommended edits.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

From: Vaughan, Molly
Sent: Tuesday, October 23, 2018 10:37 AM
To: Barton, Justine <Barton.Justine@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>; McGrath, Patricia <m McGrath.patricia@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Hi Justine and Jill,
Here is my write-up:

Deliberative Process / Ex. 5

Thanks,
Molly

From: Barton, Justine
Sent: Monday, October 22, 2018 11:15 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>
Subject: FW: Hot Topics for ERSMU this week

Hi Molly – I'm acting for Jill today & Wednesday. At today's Hot Topics meeting, Dave asked for a brief paragraph for the Weekly re. #4 below (Pebble Prelim DEIS). Could you get me some sentences before noon on Wednesday that I can forward on to Dave and Linda? Thanks Molly! ☺ JB p.s. FYI -- #1 and #4 are the only ones he asked for... JB

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Monday, October 22, 2018 7:55 AM
To: Barton, Justine <Barton.Justine@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>
Cc: Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>
Subject: Hot Topics for ERSMU this week

Justine – If you can attend the Hot Topics meeting at 11:30 today in the Elwha Room for ERSMU, that would be very helpful. If not, please help me find someone who could attend.

Topics to mention for David to determine what to share with the ET later today (and if David asks for write up in the Weekly, please ask staff for a paragraph that you can review/email to David and Linda on Wednesday before noon. David and Linda make any final edits before they can upload the information to the R10 Weekly Sharepoint Site):

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Deliberative Process / Ex. 5

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks
Jill

Message

From: Barton, Justine [Barton.Justine@epa.gov]
Sent: 10/24/2018 11:13:20 PM
To: Nogi, Jill [nogi.jill@epa.gov]
Subject: Acting Report from Monday and Wednesday this week...

Hi Jill – Here are things I think will be of interest to you, I've highlighted ones I think are most timely for the week:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

There were a few other things, but frankly with all the acronyms I couldn't get them down, and they didn't sound to me like they would affect ERSMU. That's it from me! ☺

JB

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Tuesday, October 23, 2018 3:29 PM
To: Barton, Justine <Barton.Justine@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thank you! Jill

From: Barton, Justine
Sent: Tuesday, October 23, 2018 2:58 PM
To: Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Hi Jill – Just now off the DMMP monitoring/bioaccum call. Looks like we're set for the Hot Topics for tomorrow...so my plan is just to attend the manager's meeting from 2-3:30 pm tomorrow in your stead. Anything else I should do? JB

Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Tuesday, October 23, 2018 11:33 AM
To: McGrath, Patricia <mcgrath.patricia@epa.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Thanks to all of you for your help with developing this paragraph. I have submitted it to David/Linda for final review and approval before it goes out through the Weekly tomorrow.

Personal Matters / Ex. 6

Jill

From: McGrath, Patricia
Sent: Tuesday, October 23, 2018 10:47 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>; Barton, Justine <Barton.Justine@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Please consider the recommended edits.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

From: Vaughan, Molly
Sent: Tuesday, October 23, 2018 10:37 AM
To: Barton, Justine <Barton.Justine@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>; McGrath, Patricia <mcgrath.patricia@epa.gov>
Subject: RE: Hot Topics for ERSMU this week

Hi Justine and Jill,
Here is my write-up:

Deliberative Process / Ex. 5

Thanks,
Molly

From: Barton, Justine
Sent: Monday, October 22, 2018 11:15 AM
To: Vaughan, Molly <Vaughan.Molly@epa.gov>
Cc: Nogi, Jill <nogi.jill@epa.gov>
Subject: FW: Hot Topics for ERSMU this week

Hi Molly – I'm acting for Jill today & Wednesday. At today's Hot Topics meeting, Dave asked for a brief paragraph for the Weekly re. #4 below (Pebble Prelim DEIS). Could you get me some sentences before noon on Wednesday that I can forward on to Dave and Linda? Thanks Molly! ☺ JB p.s. FYI -- #1 and #4 are the only ones he asked for... JB

.....
Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill

Sent: Monday, October 22, 2018 7:55 AM

To: Barton, Justine <Barton.Justine@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>

Cc: Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>

Subject: Hot Topics for ERSMU this week

Justine – If you can attend the Hot Topics meeting at 11:30 today in the Elwha Room for ERSMU, that would be very helpful. If not, please help me find someone who could attend.

Topics to mention for David to determine what to share with the ET later today (and if David asks for write up in the Weekly, please ask staff for a paragraph that you can review/email to David and Linda on Wednesday before noon.

David and Linda make any final edits before they can upload the information to the R10 Weekly Sharepoint Site):

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks

Jill

Message

From: Somers, Elaine [somers.elaine@epa.gov]
Sent: 8/24/2018 2:20:39 AM
To: Nogi, Jill [nogi.jill@epa.gov]
Subject: Alaska Projects call notes

Jill,
Here are the notes:

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Mining:
Pebble is moving along
Corps is trying to issue DEIS in Feb, 2019.

Deliberative Process / Ex. 5

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Pebble visit travel – we're using charters.

Deliberative Process / Ex. 5

Message

From: Jennings, Marie [Jennings.Marie@epa.gov]
Sent: 11/1/2018 11:08:23 PM
To: R10-OWW Mail Group [R10OWW_Mail_Group@epa.gov]
CC: Edmondson, Lucy [Edmondson.Lucy@epa.gov]; Grafe, Cyndi [Grafe.Cyndi@epa.gov]; Kenknight, Jeff [Kenknight.Jeff@epa.gov]; MacIntyre, Mark [Macintyre.Mark@epa.gov]; Nogi, Jill [nogi.jill@epa.gov]; Peak, Nicholas [Peak.Nicholas@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]; Wilcox, Michelle [wilcox.michelle@epa.gov]
Subject: RE: OWW Meeting Highlights 10/25/18 and 10/29/18-- Correction

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Thanks Lucy for update.

From: Jennings, Marie
Sent: Thursday, November 01, 2018 9:08 AM
To: R10-OWW Mail Group <R10OWW_Mail_Group@epa.gov>
Cc: Edmondson, Lucy <Edmondson.Lucy@epa.gov>; Grafe, Cyndi <Grafe.Cyndi@epa.gov>; Kenknight, Jeff <Kenknight.Jeff@epa.gov>; MacIntyre, Mark <Macintyre.Mark@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>; Peak, Nicholas <Peak.Nicholas@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>; Wilcox, Michelle <wilcox.michelle@epa.gov>
Subject: OWW Meeting Highlights 10/25/18 and 10/29/18

OWW Thursday Management Meeting - October 25, 2018

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

legislature. David mentioned that they have 7 days to review the Bristol Bay EIS.

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

Non-Responsive: Unrelated to Bristol Bay/Pebble Mine

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Marie J

Message

From: Barton, Justine [Barton.Justine@epa.gov]
Sent: 10/22/2018 7:08:01 PM
To: Nogi, Jill [nogi.jill@epa.gov]
Subject: FW: Hot Topics for ERSMU this week

Hi Jill – I've highlighted the topics Dave wants to carry forward for Wednesday. Lynne and I will handle Snake, and I'll let Molly know re. Pebble Prelim DEIS. Dave will forward #6 to RA on his own. JB

.....
Justine Barton | Ecologist | U.S. Environmental Protection Agency
Sediment Management Unit | 1200 6th Avenue, Suite 155 | Seattle, WA 98101 | 206.553.6051 |
barton.justine@epa.gov

From: Nogi, Jill
Sent: Monday, October 22, 2018 7:55 AM
To: Barton, Justine <Barton.Justine@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>
Cc: Anderson-Carnahan, Linda <Anderson-Carnahan.Linda@epa.gov>
Subject: Hot Topics for ERSMU this week

Justine – If you can attend the Hot Topics meeting at 11:30 today in the Elwha Room for ERSMU, that would be very helpful. If not, please help me find someone who could attend.

Topics to mention for David to determine what to share with the ET later today (and if David asks for write up in the Weekly, please ask staff for a paragraph that you can review/email to David and Linda on Wednesday before noon.

David and Linda make any final edits before they can upload the information to the R10 Weekly Sharepoint Site):

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Deliberative Process / Ex. 5

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Thanks
Jill